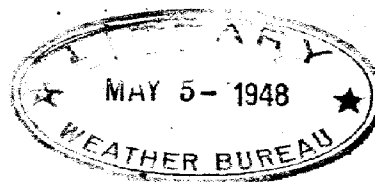


No. 846

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1947

JAMAICA WEATHER REPORT

FOR THE MONTH OF
JANUARY, 1947

MONTHLY CLIMATOLOGICAL MEANS

Notes—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e. 32° F., gravity at Latitude 45° and Mean Sea Level.

The thermometers are exposed in shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors. Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Altostratus at middle levels i.e., 2-3 miles, and cirrus and cirrostratus at upper levels i.e., 4-6 miles.

* Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations only making two readings a day, do so at 7 a.m. and 3 p.m. Palisadoes averages are for 4 a.m., 10 a.m., and 4 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures					Daily Sunshine
		7 a.m.	1 p.m.	7 a.m.	1 p.m.	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
ft.	in.	in.	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	hrs.	
Castleton Gardens	496	..	..	67.5	80.4	..	82.4	64.6	17.8	84.5	8*	61.1	7	23.4	..
Grove Place A.C.	..	..	..	70.6	79.4	..	84.5	63.0	21.5	88.1	5*	55.1	4*	33.0	7.5
Hill Gardens	1,900	..	..	57.2	65.6	..	69.7	55.4	14.3	75.0	16	53.3	29	21.7	..
Hope Laboratory	668	..	..	67.2	83.9	..	87.7	64.4	23.3	91.0	20	61.2	10	29.8	7.7
Kingston	..	..	..	71.5	84.9	..	88.4	70.2	18.2	91.4	12	66.4	30	25.0	..
Lorrimers	..	..	..	63.6	..	..	70	61	15	80	27	57	23*	23	..
Morant Pt. Light Hs.	8	29.980	29.964	78.0	82.5	78.5	83.7	75.3	8.1	85.0	22	69.0	26	16.0	..
Negril Pt. Light Hs.	33	29.978	29.956	71.5	84.2	76.3	85.9	65.2	20.7	88	14	66	21*	22	..
Orange River Ex. St.	450	..	..	68.3	78.9	..	82.0	65.3	..	83.5	8	58.4	30	..	8.0
Palisadoes Airport	19	29.955	30.020	75.2	81.9	83.6	86.6	73.2	13.4	90	12	70	2	20	9.4

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	65	91	76	87	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	69	94	68	71	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	54	89	63	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	65	92	69	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	65	79	70	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	62	96	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	74	88	76	81	75	86	ENE	12	ENE	11	ENE	11	6.8	7.7	5.8	6.1	3.8	4.1
Negril Pt. Light H.	66	83	70	63	70	81	NE	3	NE	6	NE	3	1.3	2.4	3.8	4.7	4.4	5.1
Orange River Ex. St.	66	94	70	74	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	69	82	70	69	73	70	N	4	NW	6	SE	14	0.7	1.4	1.5	2.3	2.3	3.4

* and on other days.

Note—Daily readings from selected stations are published in the Press in the first available issue.

National Oceanic and Atmospheric Administration

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March 28, 2002

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their rain-gauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

The rainfall is measured at 7 a.m. and entered by convention as having fallen on the previous day.

STATIONS	January, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
HANOVER					
Askenish	3.94	1.57	5	6	2.90
Blenheim	1.77	.90	5	4	—
Bluehole	2.17	.80	5	6	2.69
Cascade	3.32	1.37	21	8	—
Copse	N.A.	—	—	—	2.53
Cousins Cove	2.29	.82	5	11	2.30
Green Island	1.87	.85	19	4	2.41
Green River	3.95	2.25	21	4	—
Haughton Court A.C.	1.68	.47	5	6	2.54
Haughton Grove	3.97	2.18	5	11	2.84
Haughton Hall	2.01	.58	31	13	2.10
Hopewell	1.35	.63	20	7	—
Kendal	4.75	2.67	31	5	—
King's Vale	.55	.42	5	3	2.74
Knockalva	3.16	1.90	6	8	—
Lucea	2.45	.95	31	8	3.06
Retirement (F.D.)	3.73	1.85	5	7	—
Santoy L. S.	3.19	1.52	31	8	—
Shettlewood	6.38	2.40	5	8	—
ST. JAMES					
Adelphi	1.06	.43	15	5	—
Anchovy	1.31	.62	20	6	2.45
Cambridge	3.72	1.56	31	6	2.08
Catadupa	2.23	.70	21	8	2.11
Cinnamon	1.34	1.12	21	3	3.17
Cornwall Works	2.72	1.05	21	4	—
Friendship	1.38	.76	22	6	3.12
Irwin, A. C.	1.38	.88	22	3	3.98
Kempshot	1.41	.62	21	8	3.51
Lapland	2.08	.82	31	8	—
Latium L. S.	.98	.31	2	7	4.41
Maldon School	2.12	.87	31	8	—
Moncho	4.60	1.86	31	6	2.88
Montego Bay	.75	.30	21	7	2.65
Montpelier	4.36	1.76	5	6	1.61
Retirement	.86	.39	22	5	2.98
Richmond Hill	2.75	.75	29	5	—
Rose Hall	1.28	.95	21	5	3.15
Running Gut	.94	.46	21	5	3.24
Spring Estate	.67	.38	21	3	3.83
Success	.98	.65	21	4	2.08
Sweetwater	3.84	1.60	26	7	—

N.A. - Not available.

STATIONS

January, 1947

	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Days		
	ins.	ins.			ins.
St. James, contd.					
Tryall	1.90	1.10	21	5	2.03
Vaughansfield	5.63	2.40	31	4	—
Windsor Lodge	.99	.33	2	7	—
TRELAWNY					
Albert Town	1.40	.80	26	2	2.79
Arcadia	3.12	.85	15	9	4.65
Clarks Town	2.31	.92	11	8	3.18
Deeside	.00	—	—	0	—
Duncans	2.96	.91	22	12	2.64
Falmouth	1.42	.56	21	9	3.13
Garredu	2.15	.80	30	4	—
Harmony Hall	2.21	.55	15	10	3.80
Hyde and Gibraltar	2.08	.52	2	9	—
Lorrimers	.71	.22	5	5	—
Reserve Pen L.S.	N.A.	—	—	—	—
Stewart Town	1.49	.43	11	8	—
Troy	1.93	1.69	26	2	2.00
Troy L.S.	1.91	.89	26	5	—
Ulster Spring	1.60	.90	26	7	3.26
Unity L.S.	N.A.	—	—	—	—
Vale Royal	3.03	1.25	16	9	4.85
Wait-a-Bit	2.08	.55	5	15	—
Wakefield	1.68	.60	21	4	2.12
Warsop	.40	.20	26	2	2.24
ST. ANN					
Albion	3.35	1.02	26	9	5.33
Alexandria	.46	.20	15	4	2.65
Armada L.S.	.91	.60	24	3	—
Averham Park	6.16	1.28	11	17	6.93
Bel-Air	2.85	.90	15	11	4.68
Beverley L. S.	4.31	1.03	13	9	—
Borobridge	1.31	.42	5	6	—
Brown's Town	2.05	.69	11	9	5.95
Cave Valley	3.94	1.00	31	8	2.11
Claremont	2.63	.77	15	11	5.80
Cuffie R.dge	1.47	.31	1	7	—
Eltham	3.63	1.00	1	11	—
Exchange	1.11	.35	7	4	—
Greenock	3.94	1.00	31	8	—
Home Castle	3.20	1.85	15	3	5.74
Knapdale	4.19	1.05	1	13	7.55
Liberty Hill	2.75	.91	16	16	6.10
Moneague	2.32	.60	20	10	479
New Ground A. C.	N.A.	—	—	—	—
Ocho Rios	4.48	.63	15	15	4.78
Richmond Estate	3.30	.90	14	16	5.44
Richmond Pen	.39	.15	11	4	3.24
Rio Hoe	3.01	.50	1	13	5.72
Rockfield	5.45	1.51	11	15	7.63
Runaway Bay	2.38	.90	14	7	2.66
Rural Retreat	2.07	.52	15	7	—
St. Ann's Bay	3.14	1.13	14	20	5.15
Stepney	.00	—	—	0	—
Thatchfield L. S.	5.96	1.85	1	7	—
Unity Valley	4.12	1.53	20	16	4.95

STATIONS	January, 1947					STATIONS	January, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Days					Amount	Date		
ST. ANN, contd.						PORTLAND, contd.					
Watt Town	1.31	.53	31	4	2.53	Moore Town	13.88	3.00	20	23	16.83
Wilton	2.45	.75	16	11	..	Mt. Holstein	4.09	1.05	1	12	14.65
ST. MARY						Mt. Pleasant	12.54	4.20	20	13	..
Agualta Vale	4.00	.90	10	11	6.94	Passley Garden	10.55	..	..	..	6.74
Albany	N.A.	..	..	..	5.13	Plum Valley	8.44	2.79	10	11	..
Bundo L. S.	4.81	1.30	14	12	..	Port Antonio	12.09	4.28	20	17	8.63
Castleton Gardens	4.18	1.55	2	5	9.30	Priestman's River	6.01	.75	20	23	5.43
Dover, A. C.	8.61	1.27	15	15	6.95	Shrewsbury	13.20	2.16	5	18	15.95
Enfield	7.85	2.96	10	5	13.20	Spring Garden	N.A.	..	..	..	8.11
Fort Stewart	6.30	1.80	10	13	..	Titchfield School P.A.	N.A.	..	..	..	..
Fort Stewart L. S.	8.11	1.55	16	18	..	Windsor A. C.	19.63	3.68	20	27	..
Gibraltar	4.79	.80	11:15	17	..	ST. THOMAS					
Golden Grove, East	4.91	.80	11	17	..	Barrett's Gap	12.33	4.55	20	11	..
Golden Grove, West	5.86	1.00	11	15	..	Bath	11.12	3.97	20	16	6.15
Grays Inn Cen. Facy.	5.68	1.38	10	16	..	Bowden Pen	17.56	3.95	19	18	..
Guy's Hill	2.58	.48	12	10	6.28	Buckingham L. S.	N.A.	..	..	..	..
Hampstead	6.90	1.70	15	11	9.41	Cedar Valley	3.25	1.50	20	9	3.64
Iter Boreale	4.81	.66	15	18	..	Clifton Hill	5.52	1.21	4	15	..
Jacks River	3.95	.67	5	16	..	Coley	3.03	1.43	20	6	3.24
Lady Hole	4.30	.83	15	15	..	Duckenfield	5.05	1.98	20	17	..
Lower Esher	5.20	1.53	4	10	..	Easington	2.02	.56	5	9	1.60
Lucky Hill P.W.D.	3.33	.88	15	10	7.17	East Prospect	3.93	.82	4	14	3.92
Lucky Hill Pen	2.27	.63	15	7	..	Golden Grove J. S. E.	4.96	2.40	19	10	..
Newry	3.11	.73	15	13	..	Llandewey	1.24	.43	22	25	..
Nutfield A. C.	4.08	1.50	15	8	..	Lloyds	N.A.	..	..	..	..
Orcabessa	4.87	1.00	15	14	6.50	Morant Bay	3.20	1.04	4	13	2.82
Orange River	3.11	.77	11	16	..	Morant Pt. Lighthouse	4.36	2.10	20	12	4.05
Platfield	2.37	.71	1	10	..	Plantain Garden River	10.91	3.68	20	17	..
Port Maria	3.86	.55	5	17	5.91	Pleasant Hill	7.17	2.40	20	13	4.73
Quebec	5.26	2.21	18	12	6.38	Rowlandsfield L. S.	7.10	2.65	20	15	..
Retreat	4.03	.80	14	15	..	Seaforth	1.58	.64	5	10	..
Richmond	2.85	.50	11	14	7.00	Spanishwood	4.04	1.75	20	14	..
Warwick Castle L.S.	3.77	1.00	15	12	..	Wheelerfield	7.67	2.90	20	15	..
Water Valley	5.59	1.30	15	10	7.51	Yallahs	.76	.41	5	2	1.44
Wentworth	N.A.	..	..	..	..	KINGSTON AND ST. ANDREW					
Western St. Mary L.S.	2.70	1.00	10	6	..	Bamboo Ave.	N.A.	..	..	..	..
Wey Hill P.W.D.	N.A.	..	..	..	..	Brandon Hill	2.42	.84	18	4	..
Windsor Castle	1.66	1.00	1	2	8.21	Cavaliers	.49	.34	25	5	..
PORTLAND						Clifton Pen	.13	.13	25	1	0.70
Balcarras	5.62	2.10	1	10	13.58	Constant Spring	2.60	1.12	26	12	..
Belle Vue	11.22	1.90	20	17	..	Constant Spring Ch. Rd.	2.52	.82	24	12	..
Belvedere	10.01	2.83	10	19	10.62	Dallas Castle	4.43	3.00	25	8	1.15
Boston	4.86	.89	4	16	7.07	Fort George	1.73	.83	24	9	..
Boundbrook L. S.	12.05	4.28	20	17	..	Golden Spring	1.73	.75	24	8	..
Buff Bay	9.42	1.21	5	16	8.97	Gordon Town	.95	.86	25	2	2.90
Bybrook	12.16	2.51	2	20	..	Guava Ridge	1.04	.52	29	3	2.05
Caenwood	12.05	3.50	5	12	..	Halfway Tree	.29	.12	4	4	0.95
Cedar Hurst	3.56	.67	21	20	7.30	Harbour Head	.00	..	..	0	..
Chepstowe	12.62	3.75	1	14	..	Hardware Gap F. D.	3.10	1.02	24	11	..
Darley	10.61	3.46	20	23	..	Hardware Gap P.W.D.	5.64	2.20	27	11	5.58
Ecclesdown	15.04	3.72	20	15	..	Hermitage	2.09	.96	24	13	1.94
Fellowship	16.88	4.17	5	16	12.16	Hill Gardens	3.26	.95	20	17	6.78
Fruitful Vale	17.63	3.52	20	22	..						
Hope Bay	13.92	3.75	5	19	8.30						
Lennox	11.10	2.39	20	19	9.22						
Manchioneal	4.87	1.02	20	10	5.58						
Mill Bank	18.64	4.69	5	17	19.14						

N.A. - Not available.

STATIONS	January, 1947					STATIONS	January, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
KINGSTON AND ST. ANDREW, contd.	ins.	ins.			ins.		ins.			ins.	
Hope Farm A.G. Stn.	.85	.35	31	3	1.70	Amity Hall	.78	.24	18	6	
Hope Laboratory	1.27	.36	26	8		Beauchamp	.55	.55	5	1	
Hope Water Works	1.09	.34	26	7		Belle Plain	2.84	.82	4	6	2.21
Irish Town	1.02	.30	24	5	2.13	Building	0.00			0	
Iver	2.37	.69	26*	14		Bull Head	1.90	.50	11	6	
King's House Gardens	1.60	.70	4	9	1.32	Carlisle	1.01	.58	5	5	
Lawrence Tavern	1.48	.64	20	4	2.60	Chapelton	.72	.30	29	6	1.97
Mavis Bank	3.07	1.10	15	12	2.05	Colonel's Ridge	1.30	.59	11	6	
Mount Airy	2.79	.77	5	5		Cottage	.17	.17	5	1	1.27
Mount Cressy	3.72	.83	1	18		Croft's Hill	1.15	.63	19	2	2.11
Newcastle	1.51	.45	25	5		Crooked River	1.69	.35	8	5	1.70
Red Hills	4.62	2.33	18	11	1.84	DaCosta	.37	.22	1	2	
Rose Hill	2.92	1.02	24	10	3.60	Douce Pennants	2.04	.74	24	7	
Salisbury Plain A. C.	N.A.					Exeter	.38	.38	5	1	1.81
Sea View F.P.	1.93	.82	24	13		Frankfield	.50	.25	19	4	1.92
Shortwood College	2.35	.75	26	11		Glen Muir	3.40	1.60	29	5	1.70
Stony Hill	1.57	.56	24	7	2.78	Grimmetts	0.00			0	
Twickenham Park	.31	.14	25	3		Hillside	.15	.15	5	1	1.92
Up-Park Camp	1.70	1.50	25	2		James Hill	2.72	1.37	27	4	
						Kellits	2.56	.75	11	11	
KINGSTON						Knights	.42	.22	5	2	
Kingston P. W. O.	.22	.15	25	2	0.75	May Pen	1.88	.71	29	6	1.45
Palisadoes	.07	.03	18	5		Milk River	0.00			0	1.73
Parade Garden	.39	.32	25	2		Mocho L. S.	3.43	2.50	29	3	2.13
Plumb Pt. Lighthouse	.00			0	0.74	Mocho P.W.D.	N.A.				
St. Georges College	.37					Morelands	.47	.21	5	3	2.03
Upper Kingston	.63	.42	25	3	0.66	Peckham L. S.	1.13	.36	25	8	
						Pennants	1.05	.40	29	3	
ST. CATHERINE						Pussy Hall	.60	.25	1	4	
Above Rocks	3.79	1.10	28	8		Rock River	3.30	1.90	29	5	1.48
Bellas Gate	2.54	.85	29	6	1.60	Salt Savannah	.81	.57	5	4	
Bog Walk	3.53	1.35	29	6	2.19	Silent Hill	.75	.44	25	4	
Brown's Hall	2.60	2.10	29	2	2.25	Spaldings	1.01	.49	1	5	2.71
Carew Castle	3.18	.80	31	10	2.49	Springfield	.20	.20	5	1	2.20
Ewarton	3.64	1.34	31	10		Suttons J. G. R.	2.24	1.41	29	10	1.93
Ginger Ridge	.83	.30	29	5		Suttons, W. I. S. C.	.35	.20	5	3	
Glengoffe	1.73	.77	20	4		Thompson Town	2.54	.58	25	12	
Grove Farm A. C.	1.18	1.18	9	1		Trout Hall	.17	.16	19	2	1.52
Guanaboa Vale	3.29	1.77	4	4	2.27						
Headworks	1.79	.46	28	7	1.66	MANCHESTER					
Hematine	1.37	1.21	9	4	1.04	Alligator Pond	.97	.62	29	3	1.39
Hog Hole	1.88	1.16	28	5	1.50	Christiana	.61	.30	1	6	2.31
Knollis	3.54	1.08	31	9	1.54	Chudleigh	.84	.61	31	2	2.39
Linstead	2.54	.88	31	9	2.23	Cocoawalk L. S.	1.47	1.00	24	2	
Old Harbour	1.36	1.14	28	3	1.96	Craig Head	1.66	.77	17	4	
Pear Tree Grove	1.00	.20	15	6	4.96	Garlogie	2.05	.50	18	8	
Point Hill	4.57	2.81	29	11	3.33	Greenvale	.69	.40	25	4	1.89
Quarantine Station	.21	.15	5	2	0.63	Grove Place	1.03	.25	25	7	
Rio Magno	1.73	.78	20	6	5.03	Holmwood	.88	.51	1	3	
Riversdale	1.93	.85	20	5	2.28	Kendal	2.13	.56	7-19	7	2.27
Sligoville	3.28	1.22	29	17	2.60	Mandeville	1.63	.48	29	7	3.08
Spanish Town	1.56	1.35	9	3	1.27	Mandeville, Manchester Hotel	2.17	.75	29	7	
Troja	1.89	.74	2	7	5.01	Mile Gully	1.42	.60	25	5	
Troja L. S.	2.30	.96	2	3		New Forest	2.03	1.48	25	3	
Tulloch Estate	4.74	2.18	30	7		Newport	2.09	.84	5	5	2.71
Twickenham A. C.	1.31	.70	9	3		Porus	1.93	.94	29	5	
Worthy Park	2.89	.80	1	5	2.13	Retrieve	2.58	.77	18	7	1.51
						Stone's Hope	1.34	.29	4	7	2.48
						Williamsfield	1.96	.50	20	6	2.70

*And on other days. N.A. = Not available.

STATIONS	January, 1947					STATIONS	January, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
ST. ELIZABETH	ins.	ins.			ins.	WESTMORELAND, contd.	ins.	ins.			ins.
Aberdeen	3.63	.81	23	9	..	Bethel Town	1.92	1.00	31	4	2.95
Accompong	2.54	.55	29	7	..	Blue Castle	7.95	3.00	11	12	..
Appleton	3.78	1.25	27	6	2.56	Blue Fields	4.96	1.75	4	9	2.92
Balaclava	5.71	1.80	24	8	1.82	Cornwall	5.66	2.34	11	11	..
Bartons	3.35	1.42	5	4	..	Darliston	6.30	1.60	4	13	3.09
Black River	5.27	1.70	25	7	1.69	Fontabelle	5.46	1.78	11	11	2.11
Braes River	3.76	1.23	25	6	..	Friendship	2.73	.82	5	12	..
Bull Savannah	1.24	.59	25	3	..	Frome	5.20	1.33	11	11	..
Fort Charles	N.A.				1.47	Grange Hill	7.04	1.41	30	12	2.65
Ginger Hill	2.63	1.11	4	7	..	Kew Park	2.31	.96	21	7	2.22
Goshen	2.40	1.80	29	2	..	Lamb's River	4.87	.90	27	11	..
Holland Estate	6.23	2.20	28	9	..	Little London	3.01	.61	4	14	1.94
Hounslow	3.03	1.23	23	5	..	Masemure	4.28	1.40	11	9	..
Ipswich	4.13	1.10	26	10	..	Meylersfield	3.23	1.25	11	11	..
Lacovia	5.87	1.83	25	6	1.97	Midgham	5.93	2.30	11	11	..
Maggotty	3.48	.68	22	14	2.73	Mint	5.36	2.18	21	13	..
Malvern	3.17	1.01	18	15	..	Mt. Eagle	6.66	1.50	21	13	..
Mt. Charles	4.06	1.12	11	10	..	Mt. Edgecombe	5.99	1.74	28	17	2.18
Mulgrave	3.25	.65	26	11	..	Negril Pt. Light house	4.04	.83	23	13	1.78
Munro	3.52	.88	23	13	2.23	New Market	3.37	1.00	3	6	2.71
Myersville	1.88	.85	23	6	..	Paul Island	4.24	1.50	11	10	..
Pedro Plains	2.40	1.28	22	5	1.64	Petersfield	4.03	1.65	11	10	..
Quickstep	.97	.27	29	4	..	Petersville	5.66	3.15	29	6	2.54
Santa Cruz	5.13	1.76	28	6	2.48	Prospect	3.59	.78	21	10	..
Southfield	4.15	2.00	23	4	..	Rat Trap	4.40	2.30	11	5	..
Springfield	4.29	1.63	11	7	..	Retreat Estate	4.04	.98	21	11	1.89
Springvale	3.87	1.92	11	8	..	Retrieve	3.44	1.20	21	12	..
Torrington	3.33	1.00	29	8	2.44	Sav.-la-Mar	3.25	1.90	11	9	1.72
Treasure Beach	N.A.				..	Sheffield	5.73	.97	11	19	..
Wallingford	N.A.				1.79	Shrewsbury	2.62	.87	11	11	..
Warminster	2.90	1.10	23	7	..	Spring Garden L. S.	3.83	1.98	21	6	..
Williamsfield	1.93	.54	22	10	..	The Bog	2.64	.75	4	8	2.92
Windsor	3.40	1.10	18	14	2.93	Water Works Farm	3.50	1.15	4	7	2.47
Yardley Chase	1.29	.55	22	4	..	Welch Pole	4.00	1.05	28	9	..
						Whithorn	3.00	1.07	11	6	2.65
						Williamsfield	3.27	.75	28	9	..
WESTMORELAND											
Bath Pen	3.10	.60	5.22	9	..						
Baulk	3.43	1.25	21	9	..						
Belle Isle	7.71	3.16	11	10	1.91						

*And on other days. N.A. = Not available.

NOTE:—Daily readings from selected Stations are published in the Press in the first available issue.

RAINGAUGE STATION NOTES

The readings renewed recently from Copse Land Settlement in Hanover have not continued. Other Land Settlements at Reserve Pen, Buckingham have no responsible officer to make recordings.

The gauges at Albany and Wey Hill (F.W.D.) have not yet been replaced, and that at Titchfield School, Port Antonio, is not used since the measure is broken and a spare cannot yet be sent out.

At Lloyds in St. Thomas the official in charge will not make any further readings.

Readings are probably made at Wentworth in St. Mary but cannot be obtained except on rare occasion.

No reason is known for the non appearance of figures from Unity Land Settlement, New Ground Agricultural Centre, Spring Garden Land Settlement, Bamboo Avenue and Salisbury Plain.

Cuffie Ridge Land Settlement is now sending in monthly as is, commencing this month. The West Indies Sugar Company is also making available figures from a group of their gauges at Building, DaCosta, Grimmetts, Knights and Pusey Hall.

THE ISLAND RAINFALL

As outlined in the January 1946 issue of the Jamaica Monthly Weather Report the mean rainfall for each Parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "Key" station is to find the average of all the raingauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the parish figures since the parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for Parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fall.

COMPARATIVE TABLE OF RAINFALL MEANS—JANUARY, 1947

Parish	Rainfall for January			Rainfall 1946	
	Actual	Average	Raindays	Actual	Average
Hanover	2.97	2.95	6.8	76.23	81.19
St. James	2.75	2.39	5.8	61.64	65.01
Trelawny	1.73	2.94	6.6	50.24	65.15
St. Ann	2.79	4.40	9.7	44.74	64.54
St. Mary	4.53	6.17	11.5	60.72	84.27
Portland	11.56	10.26	16.9	111.31	145.40
St. Thomas	5.53	3.56	10.9	68.65	83.69
Kingston and St. Andrew	1.93	2.12	7.4	45.14	69.10
Kingston	.26	.76	2.4	19.36	31.86
St. Catherine	2.39	2.36	6.1	41.64	64.87
Clarendon	1.58	1.88	4.8	39.17	64.50
Manchester	1.63	2.48	5.2	48.35	73.02
St. Elizabeth	3.37	2.06	7.4	63.75	69.91
Westmoreland	4.39	2.46	9.7	84.56	88.42
The Island	(a) 3.62	3.34	8.5	60.85	75.07
	(b)	"70-Yr." Av. 3.87	"45-Yr." Av. 8.2		"70-Yr." Av. 77.12

Notes—The Monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices, and include the City of Kingston, the main part of the harbour, and the Airport.

The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "The Rainfall of Jamaica to 1939—70-year Period", the Island means now being calculated as the average of the four "Divisions" into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas sent by individual means, but they are considered sufficiently so for practical comparison purposes.

THE JANUARY RAINFALL

The rainfall for the whole Island was about normal, with a tendency for the parishes in the extreme East and West to receive slightly more than their averages and those in the central districts to be slightly deficient. The rainfall for the month is relatively light in any case although Portland stands out as usual with over 11 inches with St. Thomas usurping the second place normally held by St. Mary.

The month's greatest falls were experienced at Windsor (19.63 inches), Millbank (18.64) and Fruitful Vale (17.63) in Portland, and Bowden Pen (17.56) in St. Thomas. Sixteen other stations in Portland and three in St. Thomas had monthly falls of over 10 inches. The heaviest daily falls were chiefly on the 20th of the month, in Portland and St. Thomas, where many stations had over three inches. The greatest daily fall of the month however was at Millbank on the 5th, with 4.69 inches.

Returns of no measurable rain were sent in by five stations.

SUNSHINE

The following table shows the duration of sunshine at the four stations where Campbell Stokes continuous recorders are in operation. The fractions for each hourly period are the average over the month.

Period	Grove Place	Hope Laboratory	Orange River	Palisadoes
5-6 a.m.	.03	.09	.06	.21
6-7 "	.77	.81	.65	.86
7-8 "	.86	.85	.76	.91
8-9 "	.91	.87	.75	.94
9-10 "	.89	.84	.79	.96
10-11 "	.85	.85	.86	.95
11-12 noon	.84	.77	.93	.88
12-1 p.m.	.73	.67	.83	.89
1-2 "	.65	.65	.89	.88
2-3 "	.56	.66	.75	.85
3-4 "	.41	.52	.63	.77
4-5 "	.04	.00	.06	.25
5-6 "				
Total	7.54	7.67	8.04	9.36
Percentage	68%	69%	72%	84%
No. of days over 10 hours	nil	1	1	11
Cloudiest day	22nd (1.6 hrs)	22nd (4.5 hrs)	22nd (3.8 hrs)	5th (5.6 hrs)

The recorder at Hope Laboratory is screened from the setting sun at this time of the year and the figures for the hour 5 to 6 p.m. is therefore not representative.

Orange River shows a maximum of sunshine in the period 11 a.m. to 3 p.m. This is not usual, the figures for the other stations being more normal in distribution. However much the same feature was observed last year in January, and may therefore be due to some seasonal combination of natural elements in conjunction with the position of the station.

EVAPORATION

Hope Laboratory	3.08 inches
Negril Point Lighthouse	4.50 inches

EARTHQUAKES

Date	Time	Intensity	Where felt, etc.
7th	2.55 to 3.00 p.m.	Slight	Fifteen stations sent in reports of this tremor from widely scattered parts mainly in central and western districts. A few mention two distinct shocks with an intervals of about two minutes.
14th	4.39 a.m.	Slight	Richmond, St. Mary.

NORTHERS

Seasonal Cold Air bursts from the North American Continent did not penetrate south of Cuba this month and in consequence there were no northerers.

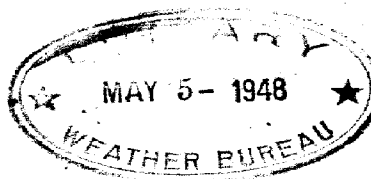
CITY OF KINGSTON

The mean temperature (Maxwell Hall formula) was 78.3°F. This is considerably above the normal of 75.8°F and is to be attributed to the almost unbroken easterlies prevailing throughout the month. As noted above, cold air waves from the North American land mass did not succeed in reaching Jamaica, as is also borne out by the minimum temperature readings. The mean relative humidity was lower than the long term average of 78%. A lunar halo was seen on the 8th, and lunar coronas on the nights of the 15th and 27th. Lightning was seen to north on the 20th which was a day of heavy rain in the Eastern Parishes.

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No. 847



JAMAICA WEATHER REPORT

FOR THE MONTH OF
FEBRUARY, 1947

MONTHLY CLIMATOLOGICAL MEANS.

Notes:—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e. 32° F., gravity at Latitude 50 and Mean Sea Level.

The thermometers are exposed in shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Altostratus at middle levels i.e., 2-3 miles, and cirrus and cirrostratus at upper levels i.e. 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations only making two readings a day do so at 7 a.m. and 3 p.m. Palisadoes averages are for 4 a.m. 10 a.m. and 4 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures				Daily Sunshine	
		7 a.m.	1 p.m.	7 a.m.	1 p.m.	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date		Range
	ft.	in.	in.	°F	°F	°F	°F	°F	°F	°F		°F		°F	hrs
Castleton Gardens	496	...	...	65.9	79.0	...	81.8	63.4	18.4	86.0	23	59.9	19	26.1	...
Grove Place A.C.	...	...	...	62.8	76.3	...	80.3	60.1	20.2	85.4	25	49.2	17*	36.2	6.9
Hill Gardens	4,900	...	...	56.5	63.2	...	67.4	54.3	13.1	72.0	23	49.3	16*	22.7	...
Hope Laboratory	668	...	...	67.6*	81.0	...	84.8	65.0	19.8	87.6	1	56.4	17	31.2	7.1
Kingston	...	...	...	70.9	81.3	...	85.4	70.1	15.3	88.1	15	65.0	15*	23.1	...
Lorrimers	...	...	...	63.2	...	...	75.4	59.2	16.2	89	8	50	17	39	...
Morant Pt. Light H.	8	29.937	29.938	75.0	80.4	76.9	82.4	72.1	10.3	84.9	22	60	17	24	...
Negril Pt. Light H.	33	29.946	29.938	71.9	81.0	76.2	82.5	69.4	13.1	86	1*	62	17	24	...
Orange River Exp. St.	450	...	...	65.9	77.5	...	81.6	63.8	17.8	88.0	8	51.1	17	33.9	6.6
Palisadoes Airport	19	29.913	29.993	74.5	80.8	80.4	83.8	73.9	9.9	86	1*	70	18	16	8.0

STATIONS	Dewpoint and Relative Humidity				Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.	1 p.m.	7 p.m.	7 a.m.	1 p.m.	7 p.m.	7 a.m.	1 p.m.	7 p.m.	7 a.m.	1 p.m.	7 p.m.	7 a.m.	1 p.m.	7 p.m.	7 a.m.
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T
Castleton Gardens	64	93	74	87	...	...	...	...	...	...	...	...	...	...	...	...
Grove Place A.C.	62	96	65	71	...	...	...	...	...	...	...	...	...	...	...	...
Hill Gardens	54	90	62	90	...	...	...	...	...	...	...	...	...	...	...	...
Hope Laboratory	65	92	71	70	...	...	...	...	...	...	...	...	...	...	...	...
Kingston	65	83	69	67	...	...	...	...	...	...	...	...	...	...	...	...
Lorrimers	62	96	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Morant Pt. Light H.	71	90	74	83	73	86	ENE	11	E	10	NE	11	5.8	7.4	2.5	7.3
Negril Pt. Light H.	66	82	70	70	69	80	NE	6	SE	11	NNE	8	3.5	5.4	3.6	4.5
Orange River Exp. St.	65	97	69	74	...	...	...	...	...	...	...	...	...	...	...	...
Palisadoes Airport	70	88	74	78	74	82	NW	6	NW	4	SE	8	1.7	2.8	1.7	2.9

*and on other days.

Notes:—Daily readings from selected stations are published in the press in the first available issue.

RAINFALL.

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their rain-gauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

Rainfall is measured at 7 a.m. and recorded, by convention, as having fallen on the previous day.

STATIONS	February, 1947				
	Greatest fall in 24 hours			Rain Days	Average
	Total Fall	Amount	Date		
	Ins.	Ins.			Ins.
HANOVER					
Askenish	5.05	2.78	9	8	3.20
Blenheim	2.35	1.20	10	7	
Blue Hole	2.62	1.20	10	6	2.97
Cascade	4.12	1.65	10	12	
Copse	N.A.				2.18
Cousins Cove	2.91	1.07	10	22	2.42
Green Island	1.70	.75	10	3	2.24
Green River	1.04	.54	10	4	
Haughton Court A.C.	2.00	1.57	10	13	2.10
Haughton Grove	3.25	1.02	3	12	3.02
Haughton Hall	1.90	.60	10	7	2.17
Hopewell	2.71	1.20	10	7	
Kendal	1.24	.67	10	3	
Kingsvale	.66	.41	9	3	2.49
Knockalva	3.39	.80	3	11	
Luca	3.05	1.07	10	8	2.22
Retirement (F.D.)	5.14	2.87	9	8	
Santoy L.S.	1.22	.45	10	5	
Shettlewood	2.99	.91	3	11	
ST. JAMES.					
Adelphi	5.48	.93	10	9	
Anchovy	3.40	.51	3	12	1.37
Cambridge	2.31	1.50	4	4	2.98
Catadupa	1.33	.44	3	11	3.23
Cinnamon	4.41	1.65	10	8	2.37
Cornwall Works	4.41	1.22	10	8	
Friendship	4.38	1.41	3	9	2.52
Irwin A.C.	3.11	.87	10:11	7	1.45
Kempshot	4.23	.84	26	14	2.75
Lapland	1.06	.42	3	7	
Latham L.S.	4.10	1.74	11	15	2.43
Maklon	3.62	1.75	3	8	
Mocho	N.A.				3.34
Montego Bay	4.75	2.09	11	8	1.82
Montpelier	4.30	1.80	3	9	1.95
Retirement	4.16	1.34	3	11	2.19
Richmond Hill	3.58	1.15	3	13	
Rose Hall	5.04	2.33	10	10	2.26
Running Gut	6.74	2.68	10	10	2.07
Spring Estate	5.22	2.28	10	8	2.41
Succas	4.19	1.59	10	9	2.13
Sweetwater	2.18	1.15	3	8	

February, 1947

STATIONS	February, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
ST. JAMES, contd.					
Tryall	4.51	2.06	10	6	1.57
Vaughansfield	4.76	3.20	2	6	
Windsor Lodge	7.47	2.05	3	10	
TRELAWNY					
Albert Town	4.70	2.00	3	6	2.92
Arcadia	4.45	1.00	11	10	2.51
Clarks Town	4.95	1.25	5	11	2.41
Dee Side	12.10	2.70	9	13	
Duncans	4.39	.97	15	10	1.66
Falmouth	3.97	1.82	10	9	1.85
Garredu	2.30	.65	5	5	
Harmony Hall	4.18	1.13	10	10	2.30
Hyde and Gibraltar	4.96	1.30	3	10	
Lorrimers	4.38	3.00	8	10	
Reserve Pen L.S.	N.A.				
Stewart Town	4.50	1.35	5	10	
Troy	4.29	2.17	3	6	3.22
Troy L.S.	4.08	2.00	3	10	
Ulster Spring	4.92	1.75	3	9	3.31
Unity L.S.	N.A.				
Vale Royal	5.15	1.15	10	10	2.50
Wait-a-bit	5.31	.97	9	17	
Wakefield	3.37	1.03	9	8	2.25
Warsop	4.04	1.85	3	8	3.09
ST. ANN					
Albion	2.31	1.02	10	7	3.73
Alexandria	3.07	.60	5*	10	2.38
Armada	3.29	1.10	11	3	
Averham Park	6.25	1.88	3	11	4.43
Bel-Air	4.05	1.75	3	10	2.79
Beverly L.S.	5.08	1.30	3	11	
Borobridge	2.31	1.20	9	9	
Brown's Town	4.55	1.42	5	10	4.13
Cave Valley	1.51	.58	9	5	2.05
Claremont	4.86	2.11	3	7	4.01
Cuffie Ridge	1.94	1.05	9	7	
Eltham	3.87	1.90	5	9	
Exchange	4.95	2.00	5	9	
Greenock	1.50	.57	9	5	
Home Castle	5.75	1.40	5	9	3.19
Knapdale	7.67	2.43	3	11	4.57
Liberty Hill	5.00	1.18	3	11	4.07
Moneague	2.10	.79	10	6	3.89
New Ground A.C.	N.A.				
Ocho Rios	8.38	3.75	5	11	3.55
Richmond Estate	6.06	1.83	24	10	3.80
Richmond Pen	8.22	2.30	3	11	2.23
Rio Hoe	3.99	1.00	10	13	3.87
Rockfield	10.51	3.02	3	14	5.06
Runaway Bay	4.76	2.03	3	10	2.03
Rural Retreat	3.93	1.40	3	9	
St. Ann's Bay	6.02	1.65	5	14	4.40
Stepney	2.48	1.26	1	4	
Thatchfield L.S.	7.71	2.65	11	10	
Unity Valley	3.59	1.18	10	11	3.56
Watt Town	3.51	1.03	9	7	2.18
Wilton	4.41	1.82	3	12	

February, 1947						February, 1947					
STATIONS	Total Fall	Greatest fall in 24 hours		Rain Days	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
	Ins.	Ins.			Ins.		Ins.	Ins.			Ins.
ST. MARY						PORTLAND, contd.					
Agualta Vale	3.66	.70	27	14	5.09	Plum Valley	5.30	1.10	11	10	
Albany	N.A.				4.83	Port Antonio	10.75	5.05	5	15	5.80
Bundo L.S.	3.98	1.10	5	13		Priestman's River	8.67	4.26	6	18	4.19
Castleton Gardens	7.29	1.30	9:20	11	5.49	Shrewsbury	7.16	2.10	5	12	10.42
Dover A.C.	3.06	1.08	5	5	5.30	Spring Garden	N.A.				5.73
Enfield	5.02	2.40	5	5	7.80	Titchfield School P.A.	N.A.				
Fort Stewart	4.47	.90	10	8		Windsor	4.80	1.18	27	14	
Fort Stewart L.S.	8.51	1.37	14	11		ST. THOMAS					
Gibraltar	4.21	1.10	10	11		Barrett's Gap	9.94	3.75	10	8	
Golden Grove East	3.73	.73	10	11		Bath	7.11	1.87	20	15	4.38
Golden Grove West	3.79	.75	5	11		Bowden Pen	14.26	2.06	10	15	
Gray's Inn Cen. Fact.	3.45	.90	10	11		Buckingham L.S.	N.A.				
Guy's Hill	3.75	1.25	10	10	4.42	Cedar Valley	9.58	4.70	5	10	2.58
Hampstead	5.90	2.00	5	6	6.15	Clifton Hill	4.11	.71	20	13	
Iter Boreale	2.61	.65	10	12		Coley	4.39	1.55	5	10	2.33
Jack's River	4.10	1.10	5	11		Duckenfield	5.50	2.45	6	16	
Lady Hole	4.36	1.13	10	11		Easington	3.33	2.08	20	7	1.28
Lower Esher	4.79	1.85	5	7		East Prospect	4.38	1.02	20	10	2.29
Lucky Hill	4.96	1.82	10	10	4.98	Golden Grove J.S.E.	7.05	3.15	6	12	
Lucky Hill Pen	2.91	.80	10	9		Llandewey	3.85	1.60	19	4	
Newry	3.11	.73	15	13		Lloyds	N.A.				
Nutfield A.C.	4.42	1.71	10	8		Morant Bay	2.58	.79	20	10	1.82
Oracabessa	3.81	1.75	5	11	4.38	Morant Point Light H.	4.95	1.20	6	14	2.74
Orange River	3.52	1.28	10	13		Plantain Garden River	8.42	1.67	5	14	
Platfield	2.29	.84	10	8		Pleasant Hill	5.81	1.55	6	10	2.60
Port Maria	2.70	1.04	10	9	4.81	Rowlandsfield L.S.	11.15	4.34	6	13	
Quebec	5.53	2.90	6	7	4.33	Seaforth	4.19	1.03	5	10	
Retreat	4.35	.82	5	13		Spanishwood	8.50	5.36	6	14	
Richmond	2.39	.80	10	10	4.59	Wheelerfield	8.43	3.65	6	17	
Warwick Castle L.S.	5.73	1.72	5	14		Yallahs	4.11	1.46	3	8	1.21
Water Valley	2.88	1.00	5	5	4.93	KINGSTON AND ST. ANDREW					
Wentworth	N.A.					Bamboo Avenue	2.44	.53	5	9	
Western St. Mary L.S.	3.18	1.30	10	7		Brandon Hill	7.13	2.52	3	8	
Wey Hill P.W.D.	N.A.					Cavaliers	2.81	.65	20	9	
Windsor Castle	3.53	1.28	10	8	5.87	Clifton Pen	3.65	.78	5*	8	0.79
PORTLAND						Constant Spring	4.15	1.32	5	11	
Balcarres	12.12	5.72	5	12	10.40	Constant Spring Ch. Rd.	3.89	2.10	9	6	
Belle Vue	7.24	3.43	5	9		Dallas Castle	4.75	1.70	20	11	2.27
Belvedere	5.16	1.61	5	11	8.39	Fort George	7.07	2.90	5	8	
Boston	8.71	4.02	6	14	4.76	Golden Spring	7.61	4.51	5	7	
Boundbrook L.S.	10.75	5.05	5	15		Gordon Town	4.31	1.80	20	8	1.83
Buff Bay	4.64	1.14	10	7	7.13	Guava Ridge	6.09	1.60	5*	8	2.11
Bybrook	8.21	3.44	6	13		Halfway Tree	2.17	.62	21	7	0.96
Caenwood	6.45	2.05	5	8		Harbour Head	2.73	.64	20	8	
Cedar Hurst	7.45	2.66	5	15	5.91	Hardware Cap F.D.	10.80	3.75	5	13	
Chepstowe	9.91	4.62	5	10		Hardware Gap P.W.D.	11.62	5.25	5	10	4.23
Darley	6.52	2.24	5	18		Hermitage	8.26	3.48	5	10	2.82
Ecclesdown	15.04	3.72	20	15		Hill Gardens	7.55	2.06	5	17	4.22
Fellowship	7.98	2.75	5	10	9.46	Hope Farm Ag. Stn.	3.45	1.50	20	7	1.30
Fruitful Vale	6.60	3.90	5	7		Hope Laboratory	2.90	.76	20	10	
Hope Bay	7.63	2.60	5	13	5.40	Hope Waterworks	2.61	.75	20	10	
Lennox	4.45	1.20	6	14	6.88	Irish Town	7.87	2.90	20	6	1.83
Manchioneal	7.05	4.95	6	6	4.83	Iver	4.21	1.74	5	11	
Mill Bank	9.97	2.72	5	11	12.23	Kings House Gardens	2.58	.60	5	9	1.25
Moore Town	10.51	1.57	6	19	12.65	Lawrence Tavern	3.42	1.52	5	6	2.48
Mt. Holstein	6.06	2.80	5	5	8.49						
Mt. Pleasant	10.10	2.70	5	9							
Passley Garden	8.11				4.90						

STATIONS	February, 1947					STATIONS	February, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
	Ins.	Ins.			Ins.		Ins.				Ins.
KINGSTON AND ST. ANDREW, contd.						CLARENDON, contd.					
Mavis Bank	5.52	1.40	5	12	2.11	Building	2.68	1.44	13	2	
Mount Airy	9.29	3.73	5	7		Bull Head	3.70	1.10	5	10	
Mount Cressy	10.69	2.80	10	14		Carlisle	1.70	.68	13	9	
Newcastle	8.21	4.02	6	12		Chapelton	2.63	1.76	25	8	1.68
Red Hills	4.31	1.08	5	9	2.19	Colonel's Ridge	1.98	.59	13	8	
Rose Hill	9.55	3.70	5	9	3.97	Cottage	1.31	.27	23	7	1.97
Salisbury Plain A.C.	N.A.					Croft's Hill	2.06	.56	10	6	1.92
Seaview F.P.	6.62	2.77	5	12		Crooked River	2.38	.60	13	8	2.18
Shortwood College	5.72	2.60	9	9		DaCosta	1.65	.50	21	7	
Stony Hill	8.34	3.77	5	9	2.30	Douce Pennants	1.00	.40	9	6	
Twickenham Park	2.10	.60	20	8		Exeter	4.35	1.10	25	9	1.13
Up Park Camp	1.86	.46	26	8		Frankfield	1.94	.90	25	6	2.56
KINGSTON						Glen Muir	2.90	1.20	6	4	1.34
Kingston P.W.O.	3.42	2.15	20	8	0.53	Grimmetts	1.95	.74	10	4	
Palisades	2.21	.46	20	9		Hillside	1.20	.34	12	7	1.72
Parade Gardens	2.28	.50	5*	8		James Hill	2.09	.70	10	10	
Plumb Pt. Lighthouse	2.08	1.04	20	5	0.62	Kellits	2.56	.75	11	11	
St. George's College	2.74	.59	20	9		Knights	2.54	.76	13	9	
Upper Kingston	3.03	.48	14	9	0.83	May Pen	3.26	1.24	25	8	1.80
ST. CATHERINE						Milk River	3.95	.84	13	8	1.39
Above Rocks	2.93	1.50	5	6		Mocho L.S.	3.16	1.05	13	8	
Bellas Gate	3.22	.92	5	7	1.70	Mocho P.W.D.	N.A.				2.19
Bog Walk	2.16	.50	3	7	1.68	Morelands	.83	.31	12	5	1.82
Brown's Hall	2.77	1.75	6	5	2.18	Peckham L.S.	2.11	.94	25	7	
Carew Castle	2.40	1.52	5	8	2.14	Pennants	1.99	.50	13	10	
Ewarton	1.51	.70	10	6		Pusey Hall	1.95	.70	13	7	
Ginger Ridge	3.39	.56	1:21	12		Rock River	3.90	.76	5	9	1.69
Glengoffe	1.64	.81	10	5		Salt Savannah	2.04	1.03	13	8	
Grove Farm A.C.	5.58	2.10	25	9		Silent Hill	2.49	1.84	9	4	
Guanaboa Vale	3.17	1.34	5	4	2.42	Spaldings	2.45	.67	9	8	3.39
Headworks	2.57	.90	5	9	1.62	Springfield	3.75	1.20	13	9	1.53
Hematine	4.01	2.27	5	9	1.46	Suttons J.G.R.	3.33	1.91	25	8	2.73
Hog Hole	3.92	2.31	5	9	1.80	Suttons W.I.S.C.	2.78	1.80	13	8	
Knollis	2.24	1.00	2	6	1.67	Thompson Town	3.83	.87	25	11	
Linstead	1.83	1.03	5	7	2.16	Trout Hall	2.92	.70	25	11	1.70
Old Harbour	3.35	1.05	5	10	1.93	MANCHESTER					
Pear Tree Grove	3.62	1.11	5	7	3.94	Alligator Pond	4.94	1.02	26	7	1.40
Point Hill	2.50	.87	14	7	3.20	Christiana	3.81	1.82	9	10	2.80
Quarantine Station	1.94	.81	20	8	0.53	Chudleigh	2.80	1.00	9	6	3.10
Rio Magno	2.17	.78	10	8	3.05	Cocoaalk L.S.	1.03	.53	4	2	
Riversdale	2.16	.70	10	7	2.18	Craig Head	6.52	2.14	2	6	
Sligoville	3.85	1.37	6	11	2.53	Garlogie	5.89	1.92	25	8	
Spanish Town	5.39	3.35	5	9	1.36	Greenvale	3.72	1.60	25	9	3.26
Troja	2.77	.94	10	9	4.05	Grove Place	2.37	1.57	25	6	
Troja L.S.	N.A.					Holmwood	2.61	.94	9	9	
Tulloch Estate	2.32	.78	5	10		Kendal	2.91	1.46	25	6	2.78
Twickenham A.C.	3.97	2.34	5	6		Mandeville	3.70	1.42	25	12	2.82
Worthy Park	1.88	.82	5	5	1.89	Mandeville (Manch Hot)	3.02	1.25	25	9	
CLARENDON						Mile Gully	3.47			6	
Amity Hall	1.55	.33	13	10		New Forest	4.92	1.26	26	9	
Beauchamp	3.20	1.00	13	10		Newport	2.95	.50	9	11	2.71
Belle Plain	7.25	1.90	2	11	2.57	Porus	2.34	.70	21	6	
						Retrieve	4.30	1.00	9	8	1.74
						Stones Hope	2.86	.55	9	12	2.32
						Williamsfield	2.59	1.00	25	5	3.84

*And on other days. N.A. = Not available.

		February, 1947							February, 1947				
STATIONS		Total Fall	Greatest fall in 24 hours		Rain Days	Average	STATIONS		Total Fall	Greatest fall in 24 hours		Rain Days	Average
			Amount	Date						Amount	Date		
ST. ELIZABETH													
Aberdeen	5.44	1.77	3	11			WESTMORELAND, contd.						
Accompong	4.53	1.75	10	5			Bethel Town	2.90	1.50	3	4	3.90	
Appleton	5.14	2.50	3	8	2.77		Blue Castle	.79	.56	3	4		
Balaclava	2.81	.95	5	5	2.86		Bluefields	2.63	.65	2	6	3.59	
Bartons	3.19	1.09	12	5			Cornwall	1.15	.42	3	6		
Black River	2.87	1.05	2	8	1.73		Darliston	1.75	.41	9	7	3.80	
Braes River	5.39	1.58	25	10			Fontabelle	1.86	1.31	1	8	2.55	
Bull Savannah	3.88	1.11	21	9			Friendship	.30	.10	1	3		
Fort Charles	0.96	.56	8	2	1.69		Frome	1.42	.88	1	7		
Ginger Hill	4.12	2.67	3	3			Grange Hill	1.07	.24	24	7	2.91	
Goshen	3.26	1.40	10	4			Kew Park	2.60	1.40	3	8	2.86	
Holland Estate	5.12	1.00	3	11			Lamb's River	2.70	1.80	3	5		
Hounslow	1.89	.68	21	7			Little London	2.85	1.18	2	9	2.81	
Ipswich	4.23	1.75	3	5			Masemure	.69	.18	13	7		
Lacovia	3.88	2.20	9	7	3.91		Meyersfield	1.52	.50	1	7		
Maggotty	4.78	2.10	3	10	3.55		Midgham	3.74	2.00	1	8		
Malvern	3.95	.66	25	12			Mint	1.05	.36	10	10		
Mt. Charles z	3.05	1.00	1	12			Mt. Eagle	.78	.20	2	7		
Mulgrave	3.98	1.70	1	5			Mt. Edgecombe	2.57	1.17	8	9	2.47	
Munro	4.43	.70	26	15	2.12		Negril Pt. Lighthouse	3.58	1.05	1	10	1.77	
Myersville	3.87	1.34	2	4			New Market	4.00	2.10	1	4	3.84	
Pedro Plains	2.98			12	1.38		Paul Island	1.49	.44	1	8		
Quickstep	4.78	1.85	3	11			Petersfield	1.65	.85	3	5		
Santa Cruz	4.07	1.64	9	8	2.77		Petersville	3.92	1.27	9	6	2.99	
Southfield	N.A.						Prospect	1.02	.26	24	5		
Springfield	1.35	.85	1	3			Rat Trap	1.15	.50	1	4		
Springvale	8.30	2.70	3	10			Retreat Estate	2.73	1.09	2	7	2.51	
Torrington	3.47	1.05	21	7	2.46		Retreive	2.13	1.10	1	9		
Treasure Beach	N.A.						Savannah-la-Mar	0.70	.25	14	5	2.15	
Wellington	N.A.				4.02		Sheffield	3.83	1.45	10	10		
Warminster	3.40	1.05	26	7			Shrewsbury	1.83	.62	3	5		
Williamsfield	2.13	.53	20	12			Spring Garden L.S.	2.94	1.79	1	7		
Windsor	3.46	.56	13	13	3.39		The Bog	4.29	2.25	3	8	4.05	
Yardley Chase	4.97	1.20	10	10			Water Works Farm	0.35	.35	1	1	3.23	
WESTMORELAND													
Bath Pen	1.10	1.10	8	1			Welch Pole	1.99	1.35	3	5		
Baulk	1.40	.60	2	4			Whithorn	1.53	1.23	4	2	2.95	
Belle Isle	3.26	1.80	1	8	2.37		Williamsfield	1.00	.41	13	4		

*And on other days. N.A.—Not available.

NOTE:—Daily readings from selected Stations are published in the first available issue.

RAINGAUGE STATION NOTES

The readings renewed recently from Copse Land Settlement have lapsed again. Like other Land Settlements at Reserve Pen and Buckingham, it has no responsible officer-in-charge. The Salisbury Plain Land Settlement has also ceased.

Gauges or measures are not yet available for replacement at Albany, Wey Hill (P.W.D.) and Titchfield School. The official in charge at Lloyds will not make further readings. Those at Wentworth are not made available. Treasure Beach has no gauge.

Wallingford reports have ceased owing to the demise of F. H. Farquharson, Esq.

Reminders have been sent to Mocho (St. James), Spring Gardens, New Ground Agricultural Centre, Troja Land Settlement, and Southfield, but there is great difficulty in getting replies.

The gauge supervised by the Public Works Superintendent at Mocho School, Clarendon, has been removed and will be installed elsewhere.

THE ISLAND RAINFALL

As outlined in the January issue of the Jamaica Monthly Weather Report the mean rainfall for each parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the rain-gauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell. The total rainfall for the first 2 months of 1947 is also compared with the averages.

COMPARATIVE TABLE OF RAINFALL MEANS—FEBRUARY, 1947

Parish	RAINFALL FOR FEBRUARY			RAINFALL, JAN.-FEB.	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	2.55	2.29	7.8	5.52	5.24
St. James	3.85	2.36	9.2	6.60	4.75
Trelawny	4.65	2.79	9.5	6.38	5.73
St. Ann	4.63	3.57	9.5	7.42	7.97
St. Mary	4.29	4.73	9.4	8.82	10.90
Portland	8.21	8.14	11.6	19.77	18.40
St. Thomas	6.43	2.67	10.9	11.96	6.23
Kingston and St. Andrew	5.11	2.71	9.4	7.04	4.83
*Kingston	2.63	0.70	8.0	2.89	1.46
St. Catherine	2.90	2.42	7.6	5.29	4.78
Clarendon	2.96	2.37	8.3	4.54	4.25
Manchester	3.52	3.08	7.3	5.15	5.56
St. Elizabeth	3.74	3.03	8.4	7.11	5.09
Westmoreland	2.20	2.92	6.1	6.59	5.38
The Island	4.23	3.13 "70-Year"† 3.21	8.9 "45-Year"	7.85	6.47 "70-Year" 7.21

NOTES:—*The Monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices, and include the City of Kingston, the main part of the harbour, and the Airport.

†The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "The Rainfall of Jamaica to 1939—70 year Period", the Island means now being calculated as the average of the four "Divisions" into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means, but they are considered sufficiently so for practical comparison purposes.

THE FEBRUARY RAINFALL

February is normally one of the two driest months in the year, the other being March. This year the Island rainfall was over 30% above average, chiefly by reason of the relatively heavy falls occurring in St. Thomas and St. Andrew but also owing to a fairly general surplus, broken only by the slight deficits of St. Mary and Westmoreland.

Portland was the wettest parish with St. Thomas a good second and St. Andrew much higher than its usual position on the comparative list. The greatest fall during the month was experienced at Ecclesdown in Portland with 15.04 inches, Bowden Pen, St. Thomas, following with 14.26 inches. Nine other stations in the Blue Mountains and neighbourhood had over 10 inches. The heaviest daily fall occurred on the 5th at Balcarres (Portland) 5.72 inches, four other stations recording over 5 inches on this or the following day.

No returns were received from any stations giving a "nil" return, though in Westmoreland both Bath Pen and Waterworks Farm only had one rainy day.

SUNSHINE

The following table shows the duration of sunshine at the four stations where Campbell-Stokes recorders are in operation. The figures for each hourly period are the averages over the month.

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6-7 a.m.	.07	.22	.13	.27
7-8 "	.63	.77	.61	.82
8-9 "	.78	.82	.73	.88
9-10 "	.85	.88	.75	.88
10-11 "	.83	.74	.73	.83
11-12 noon	.76	.62	.68	.79
12-1 p.m.	.72	.74	.64	.75
1-2 "	.65	.64	.62	.77
2-3 "	.57	.57	.61	.64
3-4 "	.49	.53	.48	.60
4-5 "	.37	.47	.45	.53
5-6 "	.14	.10	.15	.21
Total	6.85	7.10	6.58	8.00
Percentage	60%	61%	57%	69%
No. of days over 10 hours	nil	7	4	10
Cloudiest day	21st (nil)	21st (nil)	26th (0.4 hrs)	21st (0.1 hrs)

The February sunshine analysis shows a percentage of sunshine rather less than that of last year. It is not possible to say yet whether the amounts are above or below normal since the sunshine stations have not been operating for a time long enough to calculate averages. However the relatively low values for the month are in agreement with the excess of rain, even Palisadoes showing a marked drop.

EVAPORATION

Hope Laboratory	3.48 inches
Negril Point Lighthouse	5.41 inches

EARTHQUAKES

Date	Time	Intensity	Where felt etc.
No reports of earth tremors were received this month.			

NORTHERS

On the 12th the normal winter continental high pressure was to be seen in the North-east United States, with low pressure over Central America and the Southern Caribbean. A trough of low pressure began to form along a line roughly New Orleans to Swan Island and, developing, moved eastwards on the 13th. A low pressure wind circulation then appeared in this trough off the top of Florida and continued to move ENE turning NE with a track to the north of Nassau. The circumstances were very similar to the formation of tropical storms in the summer, and the winds did indeed reach at least 50 m.p.h. near the centre of the disturbance. A wave of cold air from the United States of America was carried across Cuba by the North winds in the rear of the cyclone, and reached Jamaica on the 15th as a North-wester, Negril Point recording winds of 25 to 30 m.p.h. all day. A moderate "Norther" was felt over most of the Island persisting but weakening till the 17th, when it disappeared. It is noteworthy that the "front" of this cold air wave penetrated as far as the South-east Caribbean, a most rare occurrence.

CITY OF KINGSTON

A good supply of rain fell this month, mainly on the 5th and 20th. The mean temperature as derived from the Maxwell-Hall formula was 76.4° F, slightly above the long-term mean of 75.7° F, the night temperatures being higher than normal. Relative humidity was also above average. The mean and highest maximum temperatures did not reach the "33-year" normals of 85.8° and 89.4° F, respectively, as would be expected from the excess of rain which fell mostly in the afternoon.

No special phenomena were reported during the month.

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No. 848

MAY 5 - 1948



JAMAICA WEATHER REPORT

FOR THE MONTH OF
MARCH, 1947

MONTHLY CLIMATOLOGICAL MEANS

Norms—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e. 32° F., gravity at Latitude 45° and Mean Sea Level.

The thermometers are exposed in shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors. Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Altocumulus at middle levels i.e., 2-3 miles, and cirrus and cirrostratus at upper levels i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations only making two readings a day do so at 7 a.m. and 3 p.m. Palisadoes averages are for 4 a.m., 10 a.m., and 4 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures					Daily Sunshine
		7 a.m.	1 p.m.	7 a.m.	1 p.m.	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	in.	in.	°F	°F	°F	°F	°F	°F	°F		°F		°F	hrs.
Castleton Gardens	496	..	..	66.5	81.8	..	83.6	63.4	20.2	86.8	18	60.5	17*	26.3	..
Grove Place A.C.	..	..	..	63.7	78.0	..	82.4	60.3	22.1	85.4	29	55.0	9	30.4	7.8
Hill Gardens	4,900	..	..	56.9	64.9	..	69.6	55.2	14.4	73.0	6*	52.3	19	20.7	..
Hope Laboratory	668	..	..	67.6	81.0	..	84.8	65.0	19.8	87.6	1	56.4	17	31.2	7.8
Kingston	..	..	..	73.3	85.0	..	87.7	71.3	16.4	91.4	13	68.0	9	23.4	..
Lorrimers	..	..	..	65.0	..	..	78.0	61.0	17.0	85	30	56	15	29	..
Morant Pt. Light Hs.	8	29.974	29.980	77.0	83.2	78.6	84.3	74.9	9.4	87	22	65	22	22	..
Negril Pt. Light Hs.	33	29.974	29.963	72.4	83.6	77.6	85.1	70.2	14.9	88	5	65	13	23	..
Orange River Ex. St.	450	..	..	65.9	79.9	..	83.6	62.9	20.7	87.5	17*	57.7	14	29.8	7.9
Palisadoes Airport	19	29.950	30.023	76.2	83.2	83.2	87.7	74.9	12.8	89	5*	72	13*	17	8.8

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	64	91	76	83	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	62	97	66	68	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	54	90	62	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	65	92	71	70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	65	77	69	59	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	63	94	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	74	92	77	81	76	92	E	12	E	10	E	10	5.6	7.5	5.1	6.6	3.8	5.8
Negril Pt. Light H.	67	84	70	64	69	76	N	4	SE	9	SE	9	1.9	5.2	4.1	5.7	6.0	7.6
Orange River Ex. St.	65	97	69	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	61	79	66	67	65	68	ESE	7	SE	9	SE	14	0.9	1.2	1.8	3.5	3.0	4.6

* and on other days.

Notes—Daily readings from selected stations are published in the Press in the first available issue.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their rain-gauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

The rainfall is measured at 7 a.m. and recorded by convention as having fallen on the previous day.

STATIONS	March, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
HANOVER					
Askenish	2.84	1.03	30	5	3.98
Blenheim	3.67	1.93	18	7	..
Bluehole	1.27	.86	20	3	2.59
Cascade	3.33	1.65	18	7	..
Copse	N.A.	..	..	..	3.16
Cousins Cove	2.87	1.19	18	20	3.32
Green Island	3.32	1.75	30	8	3.39
Green River	2.98	.99	18	7	..
Haughton Court A.C.	1.59	.57	10	4	2.30
Haughton Grove	1.83	.46	25	8	6.30
Haughton Hall	2.63	1.13	30	8	2.70
Hopewell	1.03	.28	30	8	..
Kendal	4.08	1.61	30	8	..
King's Vale	0.91	.40	19	5	3.64
Knockalva	1.16	.60	29	4	..
Lucea	1.90	.74	2	5	2.42
Retirement (F.D.)	4.06	1.37	18	8	..
Santoy L. S.	3.21	1.85	30	6	..
Shettlewood	1.24	.76	25	6	..
ST. JAMES					
Adelphi	3.86	1.40	25	8	..
Anchovy	1.62	.39	3	9	2.01
Cambridge	3.96	1.11	24	4	4.39
Catadupa	2.43	1.10	25	10	3.96
Cinnamon Hill	1.67	1.35	25	3	1.34
Cornwall Works	1.92	1.15	25	6	..
Friendship	2.95	1.27	25	6	2.26
Irwin, A. C.	1.90	.65	26	4	2.10
Kempshot	2.35	1.25	25	10	3.02
Lapland	2.51	1.18	25	8	..
Latium L. S.	3.00	1.56	25	6	2.83
Maldon School	2.90	1.14	31	7	..
Mocho	2.43	2.00	25	3	5.22
Montego Bay	1.75	1.40	30	4	1.67
Montpelier	1.86	.53	25	11	2.55
Retirement	3.78	1.27	25	6	2.89
Richmond Hill	3.29	1.43	31	7	..
Rose Hall	1.48	.78	25	4	1.73
Running Gut	1.30	.63	4	3	1.64
Spring Estate	1.96	.80	16	4	1.52
Success	1.30	.99	25	4	1.81
Sweetwater	1.95	1.38	25	5	..

N.A. = Not available.

STATIONS	March, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Days		
	ins.	ins.			ins.
St. James, contd.					
Tryall	0.85	.60	28	3	1.67
Vaughansfield	3.63	1.56	30	6	..
Windsor Lodge	3.32	1.36	25	7	..
TRELAWNY					
Albert Town	2.40	1.15	25	3	3.82
Arcadia	1.55	.90	3	6	2.15
Clarks Town	2.44	1.10	30	5	2.37
Deeside	8.38	1.95	30	6	..
Duncans	0.76	.55	22	4	2.40
Falmouth	0.66	.35	28	3	1.77
Garredu	1.15	.65	22	2	..
Harmony Hall	1.04	.43	22	7	2.17
Hyde and Gibraltar	2.00	.82	30	7	..
Lorrimers	2.76	1.78	4	5	..
Reserve Pen L.S.	N.A.	..	..	..	..
Stewart Town	0.93	.36	2	6	..
Troy	1.74	.82	4	4	5.47
Troy L.S.	1.40	.50	4	5	..
Ukster Spring	.57	.25	25	4	3.96
Unity L.S.	..	..	..	..	..
Vale Royal	2.28	1.18	3	8	2.33
Wait-a-Bit	4.77	3.14	5	7	..
Wakefield	2.02	.55	10	7	2.18
Warsop	1.58	.60	25	5	2.64
ST. ANN					
Albion	2.19	1.05	25	7	3.51
Alexandria	1.40	.85	25	2	2.22
Armada L.S.	1.03	.50	25	3	..
Averham Park	2.11	.46	26	11	3.57
Bel-Air	4.05	1.75	3	10	4.20
Beverley L. S.	3.38	1.15	23	6	..
Borobridge	1.20	.50	27	4	..
Brown's Town	1.14	.25	2	8	3.01
Cave Valley	1.03	.73	28	2	2.57
Claremont	2.26	.61	4	7	3.16
Cuffie Ridge	0.91	.33	3	4	..
Eltham	3.27	1.07	27	9	..
Exchange	2.77	1.20	28	5	..
Greenock	1.03	.73	28	2	..
Home Castle	1.45	.50	30	4	2.67
Knapdale	1.56	.49	26	8	3.63
Liberty Hill	2.93	1.32	28	8	2.47
Moneague	1.40	.32	26	7	3.35
New Ground A. C.	N.A.	..	..	..	..
Ocho Rios	4.02	1.30	4	5	2.79
Richmond Estate	4.31	1.72	3	7	2.70
Richmond Pen	1.17	.35	25	6	2.28
Rio Hoe	2.14	.65	4	7	3.56
Rockfield	2.92	.68	4	14	3.40
Runaway Bay	1.93	.81	3	5	1.79
Rural Retreat	1.91	.72	25	6	..
St. Ann's Bay	4.88	2.25	28	5	3.05
Stepney	3.76	1.50	24	4	..
Thatchfield L. S.	2.79	.91	29	10	..
Unity Valley	1.49	.44	4	8	3.68

March, 1947						March, 1947					
STATIONS	Total Fall	Greatest fall in 24 hours		Rain Days	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Days					Amount	Date		
ST. ANN, contd.	ins.	ins.			ins.	PORTLAND, contd.	ins.	ins.			ins.
Watt Town ..	0.80	.46	28	4	2.13	Moore Town ..	11.27	2.75	3	14	10.13
Wilton ..	1.61	.34	2	7	..	Mt. Holstein ..	6.95	3.10	26	3	6.68
ST. MARY						Mt. Pleasant ..	3.10	.79	28	8	..
Agualta Vale ..	4.26	1.44	11	8	4.23	Passley Gardens ..	1.95	..	..	..	4.03
Albany ..	N.A.	..	..	..	3.91	Plum Valley ..	1.62	.77	27	4	..
Bundo L. S. ..	2.33	.75	26	8	..	Port Antonio ..	4.68	2.63	3	10	4.59
Castleton Gardens ..	5.02	2.85	27	6	4.81	Priestman's River ..	2.88	1.29	28	7	3.45
Dover, A. C. ..	4.47	1.85	3	5	4.72	Shrewsbury ..	5.76	1.50	3	13	8.23
Enfield ..	5.60	1.90	4*	3	7.98	Spring Garden ..	N.A.	..	..	..	4.58
Fort Stewart ..	2.60	1.00	26	6	..	Titchfield School P.A. ..	N.A.	..	..	..	..
Fort Stewart L. S. ..	1.86	.71	1	4	..	Windsor A. C. ..	7.48	1.65	5	18	..
Gibraltar ..	3.85	1.30	11	6	..	ST. THOMAS					
Golden Grove, East ..	3.47	1.25	11	9	..	Barrett's Gap ..	5.00	1.30	3	10	..
Golden Grove, West ..	3.62	1.20	11	8	..	Bath ..	1.30	.47	30	6	4.04
Grays Inn Cen. Fcty. ..	2.80	.70	11*	10	..	Bowden Pen ..	12.88	2.50	26	12	..
Guy's Hill ..	2.06	.50	26	9	3.64	Buckingham L. S. ..	N.A.	..	..	..	..
Hampstead ..	2.90	1.30	27	3	4.89	Cedar Valley ..	1.05	.50	23	5	2.71
Iter Boreale ..	3.44	1.30	11	9	..	Clifton Hill ..	2.85	.60	25	14	..
Jacks River ..	3.48	1.30	26	8	..	Coley ..	1.30	.47	30	6	2.51
Lady Hole ..	2.12	.73	11	6	..	Duckenfield ..	1.54	.41	28	13	..
Lower Esher ..	2.57	.90	28	6	..	Easington ..	0.55	.13	30	7	1.33
Lucky Hill P.W.D. ..	3.46	1.01	27	8	3.29	East Prospect ..	1.92	.70	17	11	2.59
Lucky Hill Pen ..	2.87	1.36	27	6	..	Golden Grove J. S. E. ..	0.93	.38	28	4	..
Newry ..	3.78	1.63	11	10	..	Llandewey ..	0.43	.28	15	2	..
Nutfield A. C. ..	4.28	1.02	29	10	..	Lloyds ..	N.A.	..	..	..	..
Oracabessa ..	2.41	.93	26	6	4.01	Morant Bay ..	1.29	.26	27	8	1.80
Orange River ..	2.63	.68	3	13	..	Morant Pt. Lighthouse ..	1.32	.61	28	10	2.11
Platfield ..	2.07	.39	26	9	..	Plantain Garden River ..	2.80	.65	27	7	..
Port Maria ..	1.88	.50	3	7	3.28	Pleasant Hill ..	2.09	.44	3	9	2.78
Quebec ..	2.64	.83	26	9	3.40	Rowlandsfield L. S. ..	2.27	.52	24	8	..
Retreat ..	1.94	1.35	26	8	..	Seaforth ..	1.98	.43	26	11	..
Richmond ..	2.62	1.00	26	8	3.92	Spanishwood ..	0.96	.35	29	7	..
Warwick Castle L.S. ..	3.13	1.04	3	9	..	Wheelerfield ..	1.89	.50	26	8	..
Water Valley ..	3.38	1.50	27	6	4.13	Yallahs ..	0.84	.30	15	3	0.98
Wentworth ..	N.A.	..	..	..	..	KINGSTON AND ST. ANDREW					
Western St. Mary L.S. ..	.66	.38	26	3	..	Bamboo Ave. ..	0.50	.34	21	3	..
Wey Hill P.W.D. ..	N.A.	..	..	..	..	Brandon Hill ..	5.85	3.15	27	4	..
Windsor Castle ..	2.95	.72	3	7	5.06	Cavaliers ..	0.59	.50	25	4	..
PORTLAND						Clifton Pen ..	0.59	.28	25	3	1.02
Balcarres ..	5.83	2.02	26	7	6.06	Constant Spring ..	0.80	.59	26	5	..
Belle Vue ..	7.14	2.40	5	10	..	Constant Spring Ch. Rd. ..	0.65	.29	26	4	..
Belvedere ..	5.44	1.14	5	12	6.53	Dallas Castle ..	1.28	.96	3	7	1.64
Boston ..	2.55	1.00	28	5	4.18	Fort George ..	1.57	.71	26	4	..
Boundbrook L. S. ..	4.42	2.63	3	8	..	Golden Spring ..	2.71	1.02	3	5	..
Buff Bay ..	2.72	1.24	23	3	4.94	Gordon Town ..	0.78	.35	26	3	1.65
Bybrook ..	5.30	1.35	4	13	..	Guava Ridge ..	0.99	.32	27	5	1.71
Caenwood ..	4.65	2.15	3	8	..	Halfway Tree ..	0.45	.45	25	1	0.93
Cedar Hurst ..	3.68	1.63	26	9	3.49	Harbour Head ..	0.00	..	..	0	..
Chepstowe ..	6.21	1.75	5	11	..	Hardware Gap F. D. ..	2.20	1.00	27	4	..
Darley ..	4.43	2.03	3	14	..	Hardware Gap P.W.D. ..	2.15	1.00	26	3	4.08
Ecclesdown ..	4.69	1.21	28	11	..	Hermitage ..	1.43	.52	27	8	2.10
Fellowship ..	5.57	1.50	3	8	6.72	Hill Gardens ..	3.19	1.08	27	12	4.32
Fruitful Vale ..	5.10	.96	28	8	..						
Hope Bay ..	4.36	1.48	3	8	3.84						
Lennox ..	1.75	.60	10	6	3.91						
Manchioneal ..	2.52	.94	26	5	3.58						
Mill Bank ..	13.22	3.28	5	11	10.33						

N.A. = Not available.

STATIONS	March, 1947					STATIONS	March, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
KINGSTON AND ST. ANDREW, contd.	ins.	ins.			ins.		ins.				ins.
Hope Farm A.G. Stn.	0.41	.35	27	2	1.96	Amity Hall	0.99	.90	30	2	
Hope Laboratory	0.71	.40	26	3		Beauchamp	0.35	.30	26	2	
Hope Water Works	0.40	.16	25	5		Belle Plain	1.33	1.02	26	3	2.64
Irish Town	1.09	.45	25	3	1.94	Building	0.51	.51	30	1	
Iver	0.70	.35	26	7		Bull Head	2.50	1.00	27	8	
King's House Gardens	0.15	.08	27	2	1.47	Carlisle	0.99	.72	30	4	
Lawrence Tavern	2.01	.90	26	4	2.53	Chapelton	2.76	.85	4	8	2.65
Mavis Bank	1.19	.30	26	10	1.71	Colonel's Ridge	1.68	.54	27	6	
Mount Airy	3.22	2.00	26	3		Cottage	0.15	.10	2	2	0.86
Mount Cressy	5.97	3.30	26	10		Croft's Hill	3.34	1.58	27	7	2.97
Newcastle	2.01	1.14	27	15		Crooked River	1.38	.55	27	5	2.13
Red Hills	0.93	.31	26	5	2.31	DaCosta	0.90	.70	30	2	
Rose Hill	1.38	.70	26	3	3.84	Douce Pennants	1.03	.48	29	3	
Salisbury Plain A. C.	N.A.					Exeter	0.95	.25	26*	4	1.38
Sea View F.P.	1.42	.83	26	7		Frankfield	1.00	.54	27	4	2.30
Shortwood College	0.55	.15	26	4		Glen Muir	0.80	.50	26	2	1.58
Stony Hill	2.03	.87	26	6	2.84	Grimmetts	1.13	.60	26	4	
Twickenham Park	0.22	.15	25	2		Hillside	0.00			0	1.41
Up-Park Camp	0.96	.72	25	4		James Hill	0.70	.26	27	6	
KINGSTON						Kellits	2.37	.73	3	9	
Kingston P. W. O.	0.06	.06	25	1	0.81	Knights	0.76	.70	30	2	
Palisadoes	0.03	0.02	24	3		May Pen	0.55	.48	26	2	2.45
Parade Gardens	0.09	.09	25	1		Milk River	1.45	.88	26	6	1.47
Plumb Pt. Lighthouse	0.00			0	0.81	Mochol L. S.	1.38	.60	26	3	2.98
St. Georges College	0.28	.22	25	4		Morelands	0.12	.12	30	1	1.50
Upper Kingston	0.29	.22	25	4	0.90	Peckham L. S.	1.03	.34	27	6	
ST. CATHERINE						Pennants	2.12	.50	27	9	
Above Rocks	2.21	1.02	27	5		Puscy Hall	0.95	.85	30	2	
Bellas Gate	1.62	.60	29	7	2.25	Rock River	2.73	1.15	4	7	1.41
Bog Walk	2.92	1.00	26	7	2.14	Salt Savannah	0.59	.54	30	3	
Brown's Hall	1.46	.42	30	5	4.35	Silent Hill	1.61	.65	28	3	
Carew Castle	2.91	1.36	27	6	2.81	Spaldings	1.39	.48	27	5	2.68
Ewarton	0.73	.63	28	3		Springfield	0.62	.20	26*	4	1.71
Ginger Ridge	1.39	.34	10	7		Suttons J. G. R.	2.13	.47	28	7	2.74
Glengoffe	1.74	1.15	24	4		Suttons, W. I. S. C.	0.58	.48	30	2	
Grove Farm A. C.	1.36	.95	29	4		Thompson Town	2.42	1.00	4	6	
Guanaboa Vale	2.13	1.40	4	3	3.01	Trout Hall	0.75	.35	27	4	3.24
Headworks	1.31	.32	29	6	2.76	MANCHESTER					
Hematine	0.05	.05	26	1	1.54	Alligator Pond	0.26	.15	4	2	1.67
Hog Hole	0.50	.17	4	4	2.16	Christiana	2.35	1.20	5	7	4.00
Knollis	3.02	1.04	26	6	2.97	Chudleigh	1.77	.60	26	5	3.76
Linstead	2.98	1.24	3	6	3.00	Cocoa Walk L. S.	0.00			0	
Old Harbour	2.13	.96	29	6	2.36	Craig Head	0.79	.52	29	3	
Pear Tree Grove	1.15	.69	26	4	3.80	Garlogie	2.93	.98	5	10	
Point Hill	3.06	1.51	10	6	4.56	Greenvale	1.46	.65	4	4	3.43
Quarantine Station	0.03	.03	24	1	0.62	Grove Place	0.80	.27	31	4	
Rio Magno	1.75	.73	26	5	4.06	Holmwood	2.04	.82	27	5	
Riversdale	2.18	.90	27	5	2.80	Kendal	1.12	.42	30	4	3.24
Sligoville	3.76	.87	26	12	3.49	Mandeville	1.30	.41	3	4	3.89
Spanish Town	0.04	.04	4	1	1.92	Mandeville, Manchester Hotel	1.67	.72	30	5	
Troja	3.01	1.59	28	7	2.83	Mile Gully	1.24	.50	4	4	
Troja L. S.	2.60	1.00	25*	4		New Forest	0.45	.16	25	4	
Tulloch Estate	2.97	1.30	27	5		Newport	2.22	1.20	26	5	2.94
Twickenham A. C.	0.00					Portus	0.00			6	
Worthy Park	1.40	.60	27*	3	2.85	Retrieve	0.67	.63	2	2	1.97
						Stone's Hope	1.64	.58	25	7	2.64
						Williamsfield	1.62	.60	4	5	2.77

*And on other days. N.A. = Not available.

STATIONS	March, 1947					STATIONS	March, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
ST. ELIZABETH						WESTMORELAND, contd.					
Aberdeen	2.71	0.84	4	7	..	Bethel Town	2.75	1.00	18	4	4.80
Accompong	3.91	1.50	28	7	..	Blue Castle	4.40	.88	26	10	..
Appleton	1.38	.63	26	6	5.24	Bluefields	3.20	.70	4	9	6.27
Balaclava	2.05	1.05	29	3	4.56	Cornwall	4.54	1.17	4	13	..
Bartons	1.50	.72	30	3	..	Darliston	3.50	.85	30	6	6.15
Black River	1.43	.46	4	6	2.58	Fontabelle	2.53	.76	18	10	4.54
Braes River	1.33	.50	25	4	..	Friendship	1.84	.50	12	8	..
Bull Savannah	0.26	.26	26	1	..	Frome	2.25	.46	24	11	..
Fort Charles	0.00	..	..	0	1.84	Grange Hill	3.02	.71	24	10	4.97
Ginger Hill	4.27	1.97	25	7	..	Kew Park	2.31	.85	18*	7	4.32
Goshen	1.85	1.25	4	4	..	Lamb's River	2.66	.94	18	4	..
Holland Estate	3.90	2.05	4	6	..	Little London	3.53	1.14	8	5	4.00
Hounslow	1.30	.82	5	2	..	Masemure	2.73	.57	28	12	..
Ipswich	2.60	1.13	25	4	..	Meyersfield	2.68	.60	6	10	..
Lacovia	3.73	2.00	4	5	4.41	Midgham	3.18	.80	12	10	..
Maggotty	4.00	2.06	26	7	5.99	Mint	4.32	1.32	31	15	..
Malvern	1.93	1.31	4	6	..	Mt. Eagle	3.65	.70	31	10	..
Mt. Charles	3.52	1.10	26	10	..	Mt. Edgecombe	3.05	1.09	4	11	4.01
Mulgrave	1.66	.80	25	4	..	Negril Pt. Lighthouse	4.55	.83	12	16	2.87
Munro	0.93	.43	26	8	3.27	New Market	1.94	.55	25	7	5.35
Myersville	0.60	.46	26	2	..	Paul Island	2.72	.55	18	3	..
Pedro Plains	0.55	.21	26	4	1.80	Petersfield	3.16	.95	4	10	..
Quickstep	2.49	.65	25	6	..	Petersville	3.15	.72	11	8	5.25
Santa Cruz	2.28	1.31	4	5	4.59	Prospect	3.35	.95	30	9	..
Southfield	N.A.	..	..	..	..	Rat Trap	0.05	.05	19	1	..
Springfield	2.57	.83	25	7	..	Retreat Estate	2.56	.69	6	14	3.68
Springvale	3.20	1.23	4	9	..	Retreive	2.70	.60	12	12	..
Torrington	0.50	.50	4	1	3.06	Savannah-la-Mar	3.20	.73	4	11	3.03
Treasure Beach	N.A.	..	..	..	..	Sheffield	6.38	.59	30	8	..
Wallingford	1.93	1.31	4	6	5.18	Shrewsbury	3.36	.73	4	12	..
Warminster	0.85	0.45	26	2	..	Spring Garden L.S.	2.85	.79	30	11	..
Williamsfield	1.78	1.18	4	4	..	The Bog	2.35	.63	4	10	5.92
Windsor	1.94	1.31	3	7	3.17	Water Works Farm	3.85	1.06	6	7	4.87
Yardley Chase	0.05	.05	1	1	..	Welch Pole	2.40	1.10	18	5	..
WESTMORELAND						Whithorn	3.26	1.17	4	6	4.81
Bath Pen	3.70	1.20	6	8	..	Williamsfield	2.63	0.70	30	9	..
Baulk	2.67	.63	30	12	..						
Belle Isle	3.10	.95	18	10	4.01						

*And on other days. N.A.—Not available.

NOTE:—Daily readings from selected Stations are published in the Press in the first available issue.

RAINGAUGE STATION NOTES

No responsible officer to make readings is available at the Land Settlements at Copse, Reserve Pen, Buckingham and possibly also at Salisbury Plain, Unity and Spring Garden, where fruitless reminders have been sent.

There are at present no gauges at Albany, Treasure Beach and Wey Hill (P.W.D.) The measure is broken at Titchfield School. Reminders have been sent to New Ground Agricultural Centre and Southfield, with no result. The Wentworth readings are not made available to the Weather Service.

The West Indies Sugar Company now has a very good network of gauges whose results are sent regularly to Palisadoes.

THE ISLAND RAINFALL

As outlined in the January 1946, issue of the Jamaica Monthly Weather Report the mean rainfall for each parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the rain-gauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell. The total rainfall for the first 3 months of 1947 is also compared with the averages.

COMPARATIVE TABLE OF RAINFALL MEANS—MARCH, 1947

Parish	RAINFALL FOR MARCH			RAINFALL, JAN.—MARCH	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	2.37	3.09	6.4	7.89	8.33
St. James	2.54	2.65	6.6	9.14	7.40
Trelawny	2.03	3.14	5.1	8.41	8.87
St. Ann	2.35	3.14	5.9	9.77	11.11
St. Mary	3.24	4.51	7.2	12.06	15.41
Portland	5.22	6.38	8.8	24.99	24.78
St. Thomas	2.40	2.07	7.8	14.36	8.30
Kingston and St. Andrew	1.45	1.95	4.7	8.49	6.78
*Kingston	.13	0.60	2.2	3.02	2.06
St. Catherine	1.83	2.46	5.1	7.12	7.24
Clarendon	1.35	2.26	4.7	5.89	6.51
Manchester	1.10	3.13	3.6	6.25	8.69
St. Elizabeth	1.89	3.72	4.9	9.00	8.81
Westmoreland	3.08	4.30	8.8	9.67	9.68
The Island	2.38	3.10 "70-Year"† 3.33	6.2 "45-Year" 7.5	10.23	9.57 "70-Year" 10.54

NOTES:—*The Monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices, and include the City of Kingston, the main part of the harbour, and the Airport.

†The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "The Rainfall of Jamaica to 1939—70 year Period", the Island means now being calculated as the average of the four "Divisions" into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means, but they are considered sufficiently so for practical comparison purposes.

THE MARCH RAINFALL

This month's average is normally very low and the actual fall was even lower bringing the year's total to approximately normal. (It will be seen that the two "averages" are rather different even in this short period). All parishes except the St. Thomas had a monthly deficit and the southern parishes were very dry. Portland was the wettest but Manchester had only about a third of its normal amount.

The month's greatest fall was at Millbank in Portland with 13.22 inches; Bowden Pen had 12.88 inches and Moore Town 11.27 inches. Thirteen other stations had falls of 5 inches or over.

The highest daily fall occurred at Mt. Cressy, St. Andrew, which had 3.30 inches on 26th, Mt. Holstein having 3.10 ins. on this day and Brandon Hill 3.15 on the 27th. The 5th produced 3.14 inches at Wait-a-bit in Trelawny and 3.28 inches at Millbank.

Returns of no rain were sent in from five stations on the south side of the Island mostly near the coast.

SUNSHINE

The following table shows the duration of sunshine at the four stations where Campbell-Stokes recorders are in operation. The figures for each hourly period are the averages over the month.

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6-7 a.m.	.09	.31	.27	.24
7-8 "	.69	.80	.80	.70
8-9 "	.83	.85	.82	.82
9-10 "	.86	.90	.81	.95
10-11 "	.83	.84	.86	.94
11-12 noon	.80	.79	.80	.90
12-1 p.m.	.76	.77	.78	.89
1-2 "	.74	.65	.78	.84
2-3 "	.70	.65	.72	.79
3-4 "	.66	.59	.63	.82
4-5 "	.48	.48	.48	.67
5-6 "	.09	.20	.18	.20
Total	7.84	7.84	7.94	8.79
Percentage	65%	65%	66%	73%
No. of days over 10 hours	1	7	6	7
Cloudiest day	28th (2.2 hrs.)	28th (2.0 hrs.)	24th (3.7 hrs.)	28th (1.4 hrs.)

Although the proportion of sunshine at Hope Laboratory is identical with that at Grove Place it will be seen that the distribution throughout the day differs. Grove Place has a little less sunshine in the morning, but from mid-day the skies are clearer than at Hope until evening.

Palisadoes' usual lack of cloud spreads well into the afternoon with very little diminution of sunshine.

EVAPORATION

Hope Laboratory	..	..	..	3.06 inches
Negril Point Lighthouse	..	..	..	6.38 inches

EARTHQUAKES

Date	Time	Intensity	Where felt, etc.
No reports were sent in this month.			

NORTHERS

Although cold continental air succeeded in penetrating as far south as Jamaica on several occasions, it did so with insufficient force to cause any "northers", and the general air flow from a point between NE and SE was scarcely interrupted.

CITY OF KINGSTON

The mean temperature of 78.8° F. was considerable above the normal of 76.5° F. although the maximum temperature never rose above 90° at Winchester Park, the official observatory for City temperatures. The mean relative humidity was 71%, well below the long-term average of 75%, as was also the rainfall, very complementary facts. On upwards of 12 days rain was seen from Palisadoes, a good vantage point, to be falling on the mainland at some point. This compares strikingly with the actual number of raindays reported at the various Kingston stations.

Lunar coronae were seen on the nights of the 1st, 4th, 5th, 8th and 9th, showing the presence of much medium cloud by night, although the monthly average of this element is low. A solar corona was observed on the 19th, and a halo on the 13th.

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No. 849

MAY 6 - 1948

WEATHER BUREAU



JAMAICA

WEATHER REPORT

FOR THE MONTH OF

APRIL, 1947

MONTHLY CLIMATOLOGICAL MEANS.

Notes:—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of [Kew, i.e., 32° F., gravity at Latitude 50° and Mean Sea Level.

The thermometers are exposed in shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Altocumulus at middle levels, i.e., 2-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations only making two readings a day do so at 7 a.m. and 3 p.m. Palisadoes averages are for 4 a.m., 10 a.m. and 4 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures				Daily Sunshine	
		7 a.m.	1 p.m.	7 a.m.	1 p.m.	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date		Range
ft.	in.	in.	°F	°F	°F	°F	°F	°F	°F	°F		°F		°F	hrs
Castleton Gardens	496	..	..	67.4	83.4	..	85.0	64.4	20.6	88.0	16	61.9	18	26.1	..
Grove Place A.C.	..	..	..	65.0	77.9	..	83.7	60.5	23.2	88.3	24	55.9	4	32.4	8.1
Hill Gardens	4,900	..	..	59.2	65.3	..	70.9	56.6	14.3	75.0	12*	53.3	19	21.7	..
Hope Laboratory	668	..	..	72.7	85.7	..	89.8	66.7	23.1	93.3	12	62.3	20	31.0	8.2
Kingston	..	..	..	75.9	83.5	..	88.1	72.3	15.8	90.0	29	70.0	3	20.0	..
Lorrimers	..	..	..	65.7	..	..	79.4	61.7	17.7	83	22	57	17	26	..
Morant Pt. Light H.	8	29.988	29.991	79.3	83.9	80.0	85.2	77.0	8.2	87	22	73	25	14	..
Negril Pt. Light H.	33	29.985	29.972	74.0	83.7	78.0	85.9	70.0	15.9	88	9	66	3	22	..
Orange River Exp. St.	450	..	..	69.4	81.8	..	85.4	64.5	20.9	88.5	22	60.7	18	27.8	9.1
Palisadoes Airport	19	29.960	30.027	76.8	83.8	83.3	85.8	74.8	11.0	88	12*	73	4*	15	8.6

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	64	91	76	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	63	95	66	70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	56	93	62	87	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	66	80	67	55	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	67	74	72	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	64	94	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	74	86	74	72	73	79	E	11	E	11	E	10	5.2	6.6	4.6	6.2	3.6	6.1
Negril Pt. Light H.	69	86	72	66	71	80	ENE	3	SE	6	SE	6	0.3	2.5	6.5	6.7	5.2	6.7
Orange River Exp. St.	68	95	70	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	71	82	72	69	70	73	N	6	SE	10	SE	17	0.1	0.6	2.3	3.9	3.4	4.8

*and on other days.

Note:—Daily readings from selected stations are published in the press in the first available issue.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their rain-gauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1938", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

Rainfall is measured at 7 a.m. and recorded, by convention, as having fallen on the previous day.

STATIONS	April, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
HANOVER	Ins.	Ins.			Ins.
Askenish	5.72	1.60	14	10	8.65
Blenheim	6.79	2.48	13	8	
Blue Hole	3.16	1.17	2	6	4.01
Cascade	6.08	2.09	14	12	
Copse					5.91
Cousins Cove	4.93	1.98	13	20	6.45
Green Island	5.54	1.87	5	13	5.51
Green River	6.20	2.35	7	10	
Haughton Court A.C.	2.16	.92	13	4	3.55
Haughton Grove	4.40	1.78	5	10	7.49
Haughton Hall	4.27	1.13	14	11	5.42
Hopewell	1.70	.80	11	5	
Kendal	7.86	2.40	7	11	
Kingsvale	1.66	.60	13	7	5.62
Knockalva	4.30	2.21	11	10	
Lucea	2.14	.77	13	3	3.63
Retirement (F.D.)	3.96	.88	14	10	
Santoy L.S.	7.52	1.19	13	12	
Shettilewood	5.70	2.70	11	9	
ST. JAMES					
Adelphi	0.00			0	
Anchovy	1.21	.28	5*	8	3.23
Cambridge	5.16	0.94	11	9	7.34
Catadupa	5.54	2.75	10	10	8.32
Cinnamon	0.00			0	2.01
Cornwall Works	0.00			0	
Friendship	0.19	.13	5	2	3.87
Irwin A.C.	0.41	.26	5	2	2.81
Kempshot	1.44	.54	2	7	5.16
Lapland	6.49	2.96	10	11	
Latium L.S.	0.97	.38	3	3	3.96
Maldon	5.87	1.18	27	11	
Mocho	N.A.				10.89
Montego Bay	0.40	.20	2	2	3.20
Montpelier	5.05	1.88	11	14	4.04
Retirement	0.47	.20	10	3	4.74
Richmond Hill	4.27	1.00	14	11	
Rose Hall	0.00			0	1.94
Running Gut	0.00			0	1.88
Spring Estate	0.00			0	1.67
Success	0.00			0	1.95
Sweetwater	6.21	3.34	10	12	

*And on other days. N.A. = Not available.

STATIONS	April, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
ST. JAMES, contd.	Ins.	Ins.			Ins.
Tryall	0.00			0	2.69
Vaughansfield	3.60	1.17	17	5	
Windsor Lodge	0.58	.45	5	2	
TRELAWNY					
Albert Town	4.72	2.16	25	4	6.68
Arcadia	1.25	.65	17	2	2.73
Clarks Town	1.42	1.12	21	2	4.02
Dec Side	N.A.				
Duncans	1.82	1.47	21	2	3.20
Falmouth	0.00			0	2.20
Garredu	0.00			0	
Harmony Hall	0.40	.40	21	1	2.24
Hyde and Gibraltar	1.64	1.06	21	4	
Lorrimers	4.07	2.70	8	7	
Reserve Pen L.S.	N.A.				
Stewart Town	1.00	.34	12	4	
Troy	8.17	2.95	7	8	8.57
Troy L.S.	7.10	3.33	7	9	
Ulster Spring	4.28	1.53	27	6	6.85
Unity L.S.	N.A.				
Vale Royal	N.A.				2.98
Wait-a-bit	3.83	1.40	8	8	
Wakefield	.84	.61	2	3	5.07
Warsop	7.11	2.05	7	7	8.64
ST. ANN					
Albion	0.88	.35	21	5	4.91
Alexandria	0.57	.43	22	2	3.88
Armada	1.16	1.03	11	2	
Averham Park	1.06	.58	6	3	4.91
Bel-Air	0.25	.15	6	2	4.15
Beverly L.S.	2.58	1.10	3	8	
Borobridge	0.00			0	
Brown's Town	0.39	.12	7	5	3.98
Cave Valley	2.35	1.16	22	6	4.83
Claremont	0.67	.19	6	5	4.53
Cuffie Ridge	0.00			0	
Eltham	1.00	.30	6*	5	
Exchange	0.80	.52	26	2	
Greenock	2.35	1.16	21	6	
Home Castle	0.00			0	3.51
Knapdale	0.80	.58	6	3	5.80
Liberty Hill	1.09	.50	3	5	4.00
Moneague	1.50	.70	11	6	4.99
New Ground A.C.	N.A.				
Ocho Rios	1.59	.74	7	4	3.51
Richmond Estate	1.45	.40	6	7	3.55
Richmond Pen	0.72	.37	3	3	3.66
Rio Hoe	2.27	.90	11	7	4.95
Rockfield	2.51	1.36	6	10	5.06
Runaway Bay	0.00			0	1.96
Rural Retreat	0.85	.38	7	3	
St. Ann's Bay	1.50	0.64	7	8	3.87
Stepney	0.27	.27	14	1	
Thatchfield L.S.	0.47	.25	26	3	
Unity Valley	3.09	1.47	11	9	4.42
Watt Town	0.15	.15	5	1	4.08
Wilton	1.68	.40	21	7	

STATIONS	April, 1947					STATIONS	April, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
ST. MARY	Ins.	Ins.			Ins.	PORTLAND, contd.	Ins.	Ins.			Ins.
Agualta Vale	1.22	.50	7	4	4.96	Plum Valley	1.36	.85	6	3	..
Albany	N.A.	..	..	..	4.84	Port Antonio	4.66	2.20	24	18	6.85
Bundo L.S.	1.50	.57	29	6	..	Priestman's River	2.08	.57	9	12	5.53
Castleton Gardens	0.70	.30	2	3	6.93	Shrewsbury	3.63	1.02	24	15	9.98
Dover A.C.	1.22	.32	29	6	6.05	Spring Garden	N.A.	..	..	..	5.64
Enfield	1.30	1.30	17	1	9.41	Titchfield School P.A.	N.A.	..	..	..	..
Fort Stewart	1.38	1.00	7	4	..	Windsor	6.76	1.05	13	17	..
Fort Stewart L.S.	0.00	..	..	0	..	ST. THOMAS	..	..	..	..	..
Gibraltar	0.20	.20	5	1	..	Barrett's Gap	4.93	.80	15	14	..
Golden Grove East	0.67	.30	7	3	..	Bath	2.99	.56	28	13	6.45
Golden Grove West	0.50	.25	7	3	..	Bowden Pen	6.75	1.00	24	14	..
Gray's Inn Cen. Fact.	1.39	.91	6	5	..	Buckingham L.S.	N.A.	..	..	..	..
Guy's Hill	0.92	.40	3	5	5.45	Cedar Valley	1.43	.50	13	9	3.91
Hampstead	1.50	.70	29	3	5.66	Clifton Hill	1.51	.33	29	9	..
Iter Boreale	1.07	.40	7	4	..	Coley	0.82	.32	13	7	4.10
Jack's River	2.01	.50	9	9	..	Duckenfield	1.02	.27	5	11	..
Lady Hole	1.74	1.02	7	3	..	Easington	1.12	.34	14	9	1.95
Lower Esher	0.26	.14	16	2	..	East Prospect	1.79	.54	6	5	4.56
Lucky Hill	1.25	.62	8	4	4.95	Golden Grove J.S.E.	1.51	.50	28	7	..
Lucky Hill Pen	0.73	.40	7	3	..	Llandewey	0.80	.80	10	1	..
Newry	1.90	1.00	6	8	..	Lloyds	0.86	.35	14	4	..
Nutfield A.C.	0.87	.43	7	5	..	Morant Bay	0.90	.42	14	5	3.08
Oracabessa	1.97	.64	29	6	4.72	Morant Point Light H.	0.77	.45	23	5	3.52
Orange River	1.71	1.08	6	6	..	Plantain Garden River	1.95	.45	17	8	..
Platfield	0.30	.15	7	4	..	Pleasant Hill	1.77	.44	28	9	3.92
Port Maria	1.70	.63	10	8	4.13	Rowlandsfield L.S.	1.49	1.06	23	4	..
Quebec	3.31	.83	3	8	4.04	Seaforth	2.40	.64	24	9	..
Retreat	1.89	.40	11	8	..	Spanishwood	0.49	.15	6	7	..
Richmond	1.39	.80	6	3	4.77	Wheelerfield	1.31	.41	28	8	..
Warwick L.C.	1.08	.50	7	4	..	Yallahs	0.44	.44	13	1	1.60
Water Valley	0.36	.25	4	2	4.84	KINGSTON AND ST. ANDREW	..	..	..	..	..
Wentworth	N.A.	..	..	..	..	Bamboo Avenue	1.09	.65	24	4	..
Western St. Mary L.S.	1.85	1.05	26	2	..	Brandon Hill	0.00	..	..	0	..
Wey Hill P.W.D.	N.A.	..	..	..	..	Cavaliers	0.34	.22	24	4	..
Windsor Castle	1.37	.68	6	4	6.89	Clifton Pen	0.00	..	..	0	1.71
PORTLAND	..	..	..	..	..	Constant Spring	1.66	.74	24	7	..
Balcarras	0.21	.16	6	2	7.22	Constant Spring Ch. Rd.	0.48	.23	25	3	..
Belle Vue	1.67	.50	28	5	..	Dallas Castle	0.96	.69	24	5	3.06
Belvedere	0.98	.79	6	2	7.02	Fort George	1.13	.28	7	7	..
Boston	3.01	.67	24	11	6.34	Golden Spring	1.91	.57	25	7	..
Boundbrook L.S.	4.66	2.20	24	18	..	Gordon Town	3.21	1.80	24	6	3.37
Buff Bay	1.76	.45	6	8	6.50	Guava Ridge	0.58	.40	8	2	2.93
Bybrook	1.40	.65	5	12	..	Halfway Tree	0.00	..	..	0	1.90
Caenwood	2.05	.70	26	6	..	Harbour Head	0.98	.90	24	2	..
Cedar Hurst	0.74	.40	9	7	7.22	Hardware Cap F.D.	0.65	.30	9	5	..
Chepstowe	1.57	.62	6	6	..	Hardware Gap P.W.D.	0.70	.50	9	2	6.51
Darley	4.88	1.74	25	6	..	Hermitage	1.03	.23	11	8	4.36
Ecclesdown	2.91	.84	19	16	..	Hill Gardens	1.88	1.15	27	10	5.60
Fellowship	4.69	1.72	24	10	9.53	Hope Farm Ag. Stn.	2.04	1.30	24	8	2.93
Fruitful Vale	3.05	1.80	24	7	..	Hope Laboratory	1.48	1.12	24	7	..
Hope Bay	1.78	.40	24	9	8.07	Hope Waterworks	1.89	1.58	24	5	..
Lennox	0.60	.20	23	7	7.77	Irish Town	0.98	.40	9	4	3.94
Manchioneal	0.64	.16	30	5	7.04	Iver	0.63	.17	24	6	..
Mill Bank	7.49	1.62	24	9	13.96	Kings House Gardens	0.70	.30	29	6	2.50
Moore Town	5.36	1.00	13	13	11.58	Lawrence Tavern	0.27	.27	8	1	4.80
Mt. Holstein	0.10	.10	26	1	7.26	..	..	..	..	..	..
Mt. Pleasant	3.32	2.38	24	4	..	..	..	..	..	..	..
Passey Garden	3.60	..	..	..	7.14	..	..	..	..	..	..

N.A. = Not available.

STATIONS	April, 1947					STATIONS	April, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
	Ins.	Ins.			Ins.		Ins.			Ins.	
KINGSTON AND ST. ANDREW, contd.						CLARENDON, contd.					
Mavis Bank	1.68	.55	28	7	2.93	Building	0.00			0	
Mount Airy	3.46	1.50	26	3		Bull Head	1.40	.40	27*	5	
Mount Cressy	1.06	.33	3	6		Carlisle	0.22	.15	12	3	
Newcastle	0.91	.70	10	2		Chapelton	1.56	.52	27	4	
Red Hills	2.60	.90	24	6	4.16	Colonel's Ridge	1.38	.63	27	6	
Rose Hill	0.12	.12	27	1	6.81	Cottage	0.00			0	
Salisbury Plain A.C.						Croft's Hill	1.35	.50	25	4	
Seaview F.P.	0.83	.24	4	7		Crooked River	1.71	.70	8	6	
Shortwood College	0.16	.10	25	2		DaCosta	0.00			0	
Stony Hill	0.67	.25	7	7	5.22	Douce Pennants	1.24	.58	8	5	
Twickenham Park	0.11	.11	9	1		Exeter	0.00			0	
Up Park Camp	0.80	.80	24	1		Frankfield	0.93	.40	9	4	
						Glen Muir	0.50	.50	27	1	
KINGSTON						Grimmetts	0.35	.30	27	2	
Kingston P.W.O.	0.57	.57	24	1	1.01	Hillside	0.00			0	
Palisadoes	2.10	1.06	24	6		James Hill	0.67	.25	13	3	
Parade Gardens	0.32	.32	24	1		Kellits	1.39	.63	25	6	
Plumb Pt. Lighthouse	0.65	.65	24	1	1.13	Knights	0.00			0	
St. George's College	0.69	.59	24	3		May Pen	0.24	.19	25	2	
Upper Kingston	0.61	.36	24	4	1.07	Milk River	N.A.				
						Mocho L.S.	N.A.				
ST. CATHERINE						Mocho P.W.D.	N.A.			4.92	
Above Rocks	2.27	.80	8	5		Morelands	0.00			0	
Bellas Gate	1.75	1.42	10	2	3.13	Peckham L.S.	0.66	.23	5	9	
Bog Walk	4.30	2.10	10	6	4.51	Pennants	2.44	1.05	8	7	
Brown's Hall	1.81	1.33	9	2	4.17	Pusey Hall	0.00			0	
Carew Castle	2.57	.64	9	8	5.16	Rock River	3.86	2.08	10	7	
Ewarton	1.17	.62	11	5		Salt Savannah	0.00			0	
Ginger Ridge	3.04	1.65	10	5		Silent Hill	1.36	.70	8	5	
Glengoffe	0.95	.20	8	5		Spaldings	2.44	1.32	7	5	
Grove Farm A.C.	N.A.					Springfield	0.30	.30	27	1	
Guanaboa Vale	1.23	.53	26	4	4.68	Suttons J.G.R.	0.86	.28	10	6	
Headworks	2.01	.81	4	8	3.59	Suttons W.I.S.C.	0.04	.04	12	1	
Hematine	0.46	.27	9	4	2.47	Thompson Town	2.39	.74	7	16	
Hog Hole	1.25	.31	4	7	3.18	Trout Hall	1.17	.42	8	3	
Knollis	4.64	1.30	9	8	5.25						
Linstead	0.86	.61	9	2	1.10	MANCHESTER					
Old Harbour	0.52	.21	27	4	3.14	Alligator Pond	2.84	2.12	25	6	
Pear Tree Grove	0.42	.42	2	1	5.48	Christiana	3.66	1.35	8	6	
Point Hill	3.31	2.35	10	6	5.52	Chudleigh	5.77	3.05	24	6	
Quarantine Station	0.36	.31	24	3	1.33	Cocoawalk L.S.	0.66	.50	8	2	
Rio Magno	0.78	.48	5	2	5.61	Craig Head	6.31	2.71	8	4	
Riversdale	2.35	1.00	10	7	5.79	Garlogie	2.21	1.02	24	4	
Sligoville	3.60	.81	8	11	5.91	Greenvale	4.18	1.70	8	8	
Spanish Town	1.15	.80	9	3	2.34	Grove Place	5.40	2.59	24	6	
Troja	0.08	.08	6	1	6.71	Holmwood	4.28	1.56	23	7	
Troja L.S.	0.00			0		Kendal	1.83	1.20	24	5	
Tulloch Estate	3.55	1.35	9	9		Mandeville	2.81	1.68	9	4	
Twickenham A.C.	0.58	.58	9	1		Mandeville (Manch. Hot)	3.65	1.81	9	5	
Worthy Park	1.17	.60	9	3	3.75	Mile Gully	7.71	3.20	8	8	
						New Forest	1.41	.98	28	4	
CLARENDON						Newport	2.18	.44	24	9	
Amity Hall	0.06	.06	9	1		Porus	7.90	3.46	9	5	
Beauchamp	0.00	.00		0		Retrieve	1.66	.74	25	4	
Belle Plain	2.41	.75	10	8	4.86	Stones Hope	2.06	.58	9	9	
						Williamsfield	2.13	1.00	9	4	

*And on other days N.A.= Nnot available.

STATIONS	April, 1947					STATIONS	April, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
ST. ELIZABETH	ins.	ins.			ins.	WESTMORELAND, contd.	ins.	ins.			ins.
Aberdeen	5.00	.87	4	13		Bethel Town	6.33	1.40	4*	11	9.57
Accompong	12.29	1.25	19	17		Blue Castle	6.79	1.36	25	9	
Appleton	5.48	1.08	21	13	9.65	Blue Fields	12.97	2.65	2	13	7.78
Balaclava	5.34	1.16	27	9	9.03	Cornwall	4.25	.87	11	12	
Bartons	N.A.					Darliston	10.47	3.45	9	12	11.26
Black River	2.94	.85	9	6	3.92	Fontabelle	6.68	2.40	11	13	5.64
Braes River	3.24	.70	28	7		Friendship	5.17	1.30	11	12	
Buli Savannah	3.67	2.21	25	8		Frome	7.98	2.38	11	12	
Fort Charles	0.00			0	2.46	Grange Hill	12.65	4.44	11	13	7.71
Ginger Hill	8.77	1.72	24	9		Kew Park	5.44	2.16	5	11	8.23
Goshen	6.15	1.70	28	12		Lamb's River	11.56	2.50	23	13	
Holland Estate	8.47	2.45	9	11		Little London	3.95	1.87	11	15	5.99
Hounslow	2.48	.88	27	7		Masemure	6.18	1.84	11	13	
Ipawich	5.88	1.15	8	11		Meyersfield	5.26	2.15	11	11	
Lacovia	7.54	2.20	10	11	7.84	Midgham	1.92	1.54	11	10	
Maggotty	6.74	1.35	27	12	9.97	Mint	13.31	3.05	11	14	
Malvern	5.04	1.60	24	10		Mt. Eagle	13.42	3.65	11	13	
Mt. Charles	7.46	1.53	9	13		Mt. Edgecombe	7.00	1.90	9	12	5.51
Mulgrave	13.49	1.85	30	17		Negril Pt. Lighthouse	5.14	1.06	2	13	3.25
Munro	3.43	1.54	9	9	4.36	New Market	8.15	1.60	25	12	9.94
Myersville	2.78	1.70	24	5		Paul Island	5.98	2.30	11	9	
Pedro Plains	N.A.				2.76	Petersfield	5.39	2.00	9	10	
Quickstep	6.29	.96	9	12		Petersville	7.91	2.40	8	11	7.19
Santa Cruz	6.65	1.68	28	12	8.67	Prospect	7.71	2.75	11	13	
Southfield	N.A.					Rat Trap	4.10	2.30	5	3	
Springfield	6.23	1.30	9-25	11		Retreat Estate	4.18	.58	10	16	4.99
Springvale	7.43	1.20	24	14		Retrieve	4.55	1.45	11	13	
Torrington	5.23	1.64	9	7	4.80	Sav.-la-Mar	3.46	1.20	11	8	4.98
Wallingford	N.A.				9.71	Sheffield	12.60	1.95	2	21	
Warminster	4.30	1.20	24	7		Shrewsbury	5.11	1.85	9	2	
Williamsfield	0.67	.17	9	6		Spring Garden L. S.	5.08	1.06	26	7	
Windsor	4.90	1.82	24	8	5.05	The Bog	6.17	1.15	9	14	10.24
Yardley Chase	3.91	1.70	25	6		Water Works Farm	6.65	2.60	9	9	8.05
						Welch Pole	5.53	1.60	10	11	
						Whithorn	5.42	2.75	9	6	7.64
						Williamsfield	4.59	1.75	9	8	
WESTMORELAND											
Bath Pen	4.70	1.45	11	9							
Baulk	7.04	1.60	11	10							
Belle Isle	9.20	4.20	11	11	6.80						

*And on other days. N.A. = Not available.

NOTE:—Daily readings from selected Stations are published in the Press in the first available issue.

RAINGAUGE STATION NOTES

Apart from those stations mentioned last month as having either no responsible officer-in-charge or with some instrument difficulty, there are a number of raingauges from which no returns were received this month. This may possibly be due to postal difficulties, but in a number of cases either the reading of the gauge or the sending of returns to the Meteorological Office has lapsed through some unknown cause. It would be appreciated if owners or keepers of gauges not wishing to continue readings or to send in returns would indicate this as soon as possible, in order that the station may be struck off the active list, and fruitless correspondence avoided.

The demise of any station is regarded with regret, and striking off is done most reluctantly, since every gauge contributes to the accuracy of rainfall calculations. However for the most part the work, even though negligible, is a voluntary responsibility. Fortunately the vast majority of raingauge owners, in Jamaica as throughout the world, are alive to the value of their individual records, and are only too glad to pool their measurements. They are aware that only in this way can the true rainfall be assessed and knowledge of the climatology of their country furthered.

THE ISLAND RAINFALL

As outlined in the January 1946 issue of the Jamaica Monthly Weather Report the mean rainfall for each parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the rain-gauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the parish figures since the parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell. The total rainfall for the first 4 months of 1947 is also compared with the averages.

COMPARATIVE TABLE OF RAINFALL MEANS—APRIL, 1947

Parish	RAINFALL FOR APRIL			RAINFALL, JAN.-APRIL	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	4.69	6.76	9.2	12.58	15.09
St. James	2.77	5.36	6.6	11.91	12.76
Trelawny	2.54	5.38	4.2	11.95	14.25
St. Ann	1.10	5.02	4.3	10.87	16.13
St. Mary	1.25	6.05	4.4	13.31	21.46
Portland	3.01	9.81	9.3	28.00	34.59
St. Thomas	1.88	3.87	7.5	16.24	12.17
Kingston and St. Andrew	1.14	4.05	4.3	9.63	10.83
*Kingston	0.82	0.94	2.7	3.84	3.00
St. Catherine	1.70	4.36	4.7	8.82	11.60
Clarendon	1.09	4.45	4.5	6.98	11.96
Manchester	3.22	5.76	5.2	9.47	14.45
St. Elizabeth	5.33	6.75	9.5	14.33	15.56
Westmoreland	7.04	7.93	11.2	16.71	17.61
The Island	2.80	5.46 "70-Year"† 5.11	6.6 "45-Year" 8.7	13.03	15.03 "70-Year" 15.65

Notes—*The Monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices, and include the City of Kingston, the main part of the harbour, and the Airport.

†The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "The Rainfall of Jamaica to 1939—70-year Period", the Island means now being calculated as the average of the four "Divisions" into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means, but they are considered sufficiently so for practical comparison purposes.

THE APRIL RAINFALL

It will be seen that the total fall over the Island this month was very low, the deficit being of the order of 45%, bringing the total for the year 2 inches below normal i.e., about 15%. The deficit was felt most in the Parishes in the Centre of the Island, Clarendon especially. Curiously, St. Thomas was still well above average.

Westmoreland was the wettest parish this month, the other parishes at the western end, St. Elizabeth and Hanover, also having moderate falls, but the northern and NE parts had very little rain, even usually wet Portland only having 3 inches.

The month's greatest fall of 13.49 inches was experienced at Mulgrave in St. Elizabeth. Mint and Mount Eagle in Westmoreland also exceeded 13 inches. Accompong in St. Elizabeth, and Bluefields, Grange Hill and Sheffield in Westmoreland had over 12 inches. The highest daily fall occurred in Westmoreland, Grange Hill recording 4.44 inches and Belle Isle 4.20 inches on the 11th. Returns of no rain at all were made from no less than 27 stations, 9 of which were in Clarendon, and 8 in St. James.

SUNSHINE

The following table shows the duration of sunshine at the four stations where Campbell-stokes recorders are in operation. The figures for each hourly period are the averages over the month.

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6-7 a.m.	.34	.46	.40	.40
7-8 "	.87	.82	.75	.73
8-9 "	.91	.86	.71	.82
9-10 "	.94	.77	.79	.84
10-11 "	.88	.75	.82	.82
11-12 noon	.80	.75	.85	.84
12-1 p.m.	.74	.75	.87	.87
1-2 "	.73	.75	.90	.84
2-3 "	.60	.63	.88	.74
3-4 "	.52	.64	.84	.67
4-5 "	.46	.66	.79	.68
5-6 "	.32	.43	.49	.38
Total	8.09	8.24	9.07	8.62
Percentage	64%	66%	72%	68%
No. of days over 10 hours	5	6	14	9
Cloudiest day	25th (4.2 hrs.)	17th & 19th (3.2 hrs.)	3rd (2.3 hrs.)	19th (5.4 hrs.)

During this drier than normal month Palisadoes lost its pre-eminence in the sunshine stations. Orange River in the north, in an area receiving little rain, had a mean duration higher than at any time except July 1946, which of course had a longer day. The afternoon in particular had very little cloud and the maximum, occurring well after midday, is unusually placed.

EVAPORATION

Hope Laboratory	4.67 inches
Negril Point Lighthouse	5.01 inches

EARTHQUAKES

Date	Time	Intensity	Where felt etc.
15th	4.10 p.m.	Slight	Iver, St. Andrew, and Palisadoes

CITY OF KINGSTON

The mean temperature was 79.5° F., as compared with the long-term normal of 78.2° F., the mean relative humidity being much lower than the average of 76%. The observing station is now a little further inland and this may have some slight effect, but the chief reason for the abnormality is climatic. The rainfall this month was only a little below usual, though it was very deficient for the parish as a whole. Rain was seen from Palisadoes on 17 days, evidently in most cases showers of small dimensions. However, lightning on the 6th and a thunderstorm on the 19th, indicated larger rain clouds. Lunar coronae were seen on four nights.

Overleaf is a table of "Daily Average Miles of Wind" kindly contributed by J. F. Brennan Esq., from his records at East Street, where an electrically recording four-cup anemometer is installed 53 feet above the ground and about 150 feet above sea level. Wind notes are appended.

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Meteorological Office,
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KINGSTON—TABLE OF DAILY AVERAGE MILES OF WIND DERIVED FROM RECORDS OF AN ANEMOMETER
AT 148½ EAST STREET

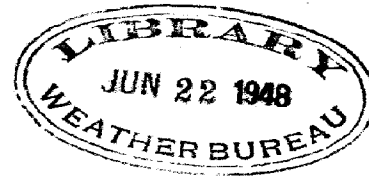
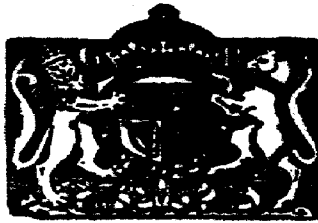
Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Av. for Year
1937	145	142	159	173	138	189	170	136	123	125	117	136	1755	146
1938	147	147	163	156	170	190	175	159	133	134	131	148	1853	154
1939	151	172	158	191	174	184	186	164	157	124	155	127	1943	162
1940	170	190	179	168	167	209	168	122	144	129	126	125	1897	158
1941	161	169	188	165	160	190	171	153	158	143	137	133	1928	161
1942	146	151	187	150	158	154	157	156	114	112	114	128	1727	144
1943	139	138	176	161	160	165	179	147	142	134	126	149	1816	151
1944	153	160	195	184	149	163	159	156	114	147	123	141	1844	154
1945	136	153	162	147	138	204	165	140	143	132	125	152	1797	150
1946	146	155	168	144	176	206	187	158	143	132	130	136	1881	157
Means	149	158	173	164	159	185	172	149	137	131	128	137	1842	154

NOTE ON THE ABOVE TABLE AND ON KINGSTON WINDS IN GENERAL

From the average daily figure of 154 miles it will be seen that there is no very great fluctuation from normal, the year of the last hurricane, 1944, illustrating thus. Actually the greatest deviations from normal were in 1942 which had 6% less, and 1939 with 5% more. Much greater deviations occur in any one month through the decade, the greatest range being 55 miles in June. The monthly means show an interesting variation with a maximum in June, and a minimum in November. The factors governing the run of wind each day are rather complex, especially at a coastal station. The primary factor is the strength of the atmospheric pressure gradient which is the source of most air movement. Other factors being equal, the stronger the pressure gradient the stronger the wind. The Caribbean pressure gradient throughout the year produces an average east to west flow which surface friction, coupled with the outflow of subsiding air from the semi-permanent anticyclone to the NE, modifies into the familiar ENE "Trade Winds". Normally as the anticyclone becomes centred further south, as in the northern winter, the pressure gradient and therefore the winds grow stronger and more definite, though this is not an invariable day by day rule. Certainly the monthly means show some other strong factor. The direction of the "gradient" wind is likely to affect the strength at Kingston, where the Blue Mountains give shelter from any wind from NE or E but give a slight "build-up" like a wall if the direction is from ESE or SE.

Perhaps of greater influence is the strength of the sea breeze by day and the land breeze by night. The strength of the former often exceeds that due to the pressure gradient. It is governed entirely by the differential heating of land and sea by day, and cooling by night. By day, if the absence of clouds and in particular rain allows rapid heating of the land, the sea breeze sets in with strength, while a cloud cover and wet day can prevent it practically entirely. On the other hand, the night land breeze is governed by the extent of cooling inland, in turn influenced by the cloud cover, ground moisture, air temperature and water vapour content in the first few thousand feet of depth of atmosphere. Aided by the katabatic drainage from the hills it can reach considerable force in the first few months of the year. In the unavoidable absence of more detailed information it is not possible to analyse the effect of these various factors month by month; indeed the task, though most interesting, would be too formidable at present.

J. T. G.



JAMAICA WEATHER REPORT

FOR THE MONTH OF
MAY, 1947

MONTHLY CLIMATOLOGICAL MEANS.

Notes:—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e., 32° F., gravity at Latitude 45° F. and Mean Sea Level.

The thermometers are exposed in shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Altocumulus at middle levels, i.e., 2-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations only making two readings a day do so at 7 a.m. and 3 p.m. Palisadoes averages are for 4 a.m. 10 a.m. and 4 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures				Daily Sunshine	
		7 a.m.	1 p.m.	7 a.m.	1 p.m.	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date		Range
	ft.	in.	in.	°F	°F	°F	°F	°F	°F	°F		°F		°F	hrs.
Castleton Gardens	496	..	..	69.2	81.5	..	83.7	65.9	17.8	86.5	13	60.0	30	26.5	..
Grove Place A.C.	..	..	..	67.2	75.9	..	83.3	62.8	20.5	86.1	26	57.1	17	29.0	7.6
Hill Gardens	4,900	..	..	59.8	65.6	..	71.1	57.5	13.6	75.4	27	53.9	25	21.5	..
Hope Laboratory	668	..	..	73.3	82.7	..	88.2	68.1	20.1	92.6	11	65.8	17	26.8	7.3
Kingston	..	29.942	29.894	77.3	84.1	..	88.4	73.5	14.9	91.0	16	70.9	1	20.1	..
Lorrimers	..	..	..	67.1	..	..	79.8	62.8	17.0	82	26*	53	2	29	..
Morant Pt. Light H.	8	29.956	29.958	80.2	85.1	80.9	86.5	77.3	9.2	88	25*	71	5*	17	..
Negril Pt. Light H.	33	29.959	29.950	76.9	84.6	77.7	86.7	71.4	15.3	89	17	68	17*	21	..
Orange River Exp. St.	450	..	..	70.8	82.1	..	87.3	66.0	21.3	88.8	9*	62.4	8	26.4	8.3
Palisadoes Airport	19	29.933	29.990	77.6	84.7	83.5	86.4	76.1	10.3	89	24*	71	15	18	9.1

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	67	93	76	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	66	96	68	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	55	87	62	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	68	83	71	68	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	69	75	73	68	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	65	94	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	76	88	78	79	77	88	E	9	E	9	E	9	5.2	6.9	5.1	6.4	4.6	6.0
Negril Pt. Light H.	71	82	72	66	71	79	NE	3	SE	7	SE	6	1.3	4.3	4.8	5.8	5.6	7.2
Orange River Exp. St.	70	96	72	73	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	73	85	75	73	75	77	N	5	SE	8	SE	13	0.3	1.1	1.6	3.9	2.9	6.2

*and on other days.

Notes:—Daily readings from selected stations are published in the press in the first available issue.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their rain-gauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

Rainfall is measured at 7 a.m. and recorded, by convention, as having fallen on the previous day.

STATIONS	May, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
HANOVER	Ins.	Ins.			Ins.
Askenish	22.45	3.55	7	20	14.23
Blenheim	10.22	1.95	14	14	
Blue Hole	6.02	1.96	10	11	10.56
Cascade	23.03	3.93	7	27	
Copse	N.A.				12.49
Cousins Cove	7.76	1.29	11	22	9.12
Green Island	7.35	1.05	11	20	8.80
Green River	13.40	3.40	7	22	
Haughton Court A.C.	7.72	1.60	28	11	8.97
Haughton Grove	11.23	1.36	7	19	14.47
Haughton Hall	6.67	1.17	11	18	7.67
Hopewell	5.87	2.08	7	14	
Kendal	10.46	2.60	7	18	
Kingsvale	3.77	1.50	7	10	10.66
Knockalva	8.90	.92	9	19	
Lucea	8.40	2.00	10	14	8.32
Retirement (F.D.)	18.40	6.52	7	21	
Santoy L.S.	12.08	2.77	7	18	
Shettlewood	9.89	1.42	12	15	
ST. JAMES					
Adelphi	3.78	1.43	12	7	
Anchovy	7.90	3.03	3	16	7.46
Cambridge	12.86	2.81	3	16	13.60
Catadupa	14.60	2.23	4	22	16.10
Cinnamon Hill	0.97	.30	31	4	4.97
Cornwall Works	1.29	.47	2	4	
Friendship	5.91	1.16	3	11	8.04
Irwin A.C.	3.77	0.78	3	7	8.30
Kempshot	11.23	2.42	3	16	10.37
Lapland	16.52	2.84	20	20	
Latium L.S.	2.82	.89	14	9	9.98
Maldon	9.97	1.91	3	20	
Mocho	15.33	3.50	6	15	18.60
Montego Bay	N.A.				7.18
Montpelier	7.62	1.80	3	17	10.59
Retirement	6.51	2.09	3	11	8.71
Richmond Hill	8.62	1.78	3	16	
Rose Hall	0.91	.43	2	4	4.60
Running Gut	1.37	.44	28	5	4.96
Spring Estate	1.15	.40	2	4	4.28
Success	0.89	.47	2	3	4.48
Sweetwater	17.06	2.80	7	17	

*And on other days.

N.A. = Not available.

STATIONS	May, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
ST. JAMES, contd.	Ins.	Ins.			Ins.
Tryall	1.39	.52	3	5	6.07
Vaughansfield	15.09	3.62	7	12	
Windsor Lodge	4.99	1.20	12	10	
TRELAWNY					
Albert Town	16.31	3.30	4	16	11.09
Arcadia	3.28	.80	20*	7	5.11
Clarks Town	5.72	1.30	3	10	7.30
Dee Side	N.A.				
Duncans	2.59	1.46	3	6	4.82
Falmouth	1.45	.60	21	5	4.40
Garredu	2.00	.80	29	3	
Harmony Hall	2.00	.60	3	17	4.50
Hyde and Gibraltar	7.44	2.06	7	14	
Lorrimers	13.89	5.21	4	19	
Reserve Pen L.S.	N.A.				
Stewart Town	9.81	3.45	11	8	
Troy	14.99	2.41	17	23	15.03
Troy L.S.	16.34	2.75	18	22	
Ulster Spring	11.83	1.90	12	17	11.93
Unity L.S.	N.A.				
Vale Royal	3.29	1.02	11	9	5.90
Wait-a-bit	20.19	3.29	4	21	
Wakefield	9.34	2.05	20	10	9.92
Warsop	20.86	3.77	11	23	14.72
ST. ANN					
Albion	10.38	3.95	31	10	8.45
Alexandria	5.55	1.47	23	7	7.14
Armada	6.51	1.95	4	9	
Averham Park	6.59	2.69	31	13	7.26
Bel-Air	1.45	.60	17	4	6.54
Beverly L.S.	1.06	.75	17	4	
Borobridge	10.30	2.12	19	15	
Brown's Town	2.94	.55	12	12	8.76
Cave Valley	8.07	2.37	14	15	9.36
Claremont	6.45	1.68	20	12	7.32
Cuffie Ridge	10.30	2.12	19	15	
Eltham	3.84	1.96	14	5	
Exchange	1.55	.60	23	5	
Greenock	8.07	2.37	14	15	
Home Castle	5.70	1.85	12	7	6.08
Knapdale	1.61	.95	12	9	8.86
Liberty Hill	1.07	.41	20	9	4.97
Moneague	8.02	2.92	14	7	8.55
New Ground A.C.	N.A.				
Ocho Rios	1.42	.42	28	6	5.69
Richmond Estate	1.59	1.23	17	3	5.94
Richmond Pen	8.74	2.53	15	14	7.16
Rio Hoe	3.12	1.09	20	12	7.98
Rockfield	2.07	.99	12	10	6.34
Runaway Bay	0.88	.50	17	3	3.17
Rural Retreat	7.49	2.20	14	8	
St. Ann's Bay	2.36	.88	28	9	5.65
Stepney	2.39	.75	28	7	
Thatchfield L.S.	2.03	.68	12	7	
Unity Valley	6.69	2.16	14	8	8.35
Watt Town	10.70	2.87	12	11	7.47
Wilton	2.14	.65	12	10	

May, 1947						May, 1947					
STATIONS	Total Fall	Greatest fall in 24 hours		Rain Days	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
ST. MARY	Ins.	Ins.			Ins.	PORTLAND, contd.	Ins.	Ins.			Ins.
Agualta Vale	2.64	1.50	28	2	6.04	Plum Valley	3.18	1.75	12	6	
Bundo L.S.	0.96	.50	17	4		Port Antonio	7.01	2.55	12	16	13.24
Castleton Gardens	12.71	2.73	11	14	12.67	Priestman's River	2.18	.39	11	14	9.34
Dover A.C.	3.08	1.73	17	2	6.55	Shrewsbury	4.84	2.02	12	10	13.52
Enfield	4.24	1.96	28	5	10.90	Spring Garden L.S.	N.A.				
Fort Stewart	4.94	2.70	28	5		Titchfield School P.A.	N.A.				
Fort Stewart L.S.	7.92	3.10	12	8		Windsor	6.68	2.62	12	17	
Gibraltar	1.18	.70	12	3		ST. THOMAS					
Golden Grove East	1.73	.65	17	5		Barrett's Gap	14.72	2.81	13	14	
Golden Grove West	1.92	.70	17	5		Bath	9.19	2.26	17	17	12.00
Gray's Inn Cen. Fact.	3.29	1.35	12	6		Bowden Pen	6.07	1.25	31	10	
Guy's Hill	4.58	.90	21	9	7.84	Buckingham L.S.	N.A.				
Hampstead	1.22	.40	29	6	7.32	Cedar Valley	3.35	1.45	28	9	8.60
Iter Boreale	1.67	.95	17	6		Clifton Hill	2.09	.38	28	11	
Jack's River	3.37	1.03	17	7		Coley	2.05	.50	28	11	8.91
Lady Hole	6.23	2.25	28	7		Duckenfield	3.49	1.10	14	17	
Lower Esher	1.90	1.20	12	5		Easington	.92	.19	23	7	5.73
Lucky Hill	4.09	1.64	29	7	8.15	East Prospect	1.97	.46	6	11	8.39
Lucky Hill Pen	2.75	1.20	29	8		Golden Grove J.S.E.	4.07	1.10	14	12	
Newry	0.98	.50	28	5		Llandewey	1.35	1.25	18	2	
Nutfield A.C.	1.21	.60	12	4		Lloyds	2.03	.50	8	7	
Oracabessa	0.58	.20	1	4	8.48	Morant Bay	1.19	.25	2	6	7.03
Orange River	2.18	.85	21	10		Morant Point Light H.	1.08	.30	22	10	8.22
Platfield	3.52	1.93	26	4		Plantain Garden River	7.05	2.25	14	13	
Port Maria	1.02	.54	17	4	6.33	Pleasant Hill	2.96	.50	14	11	7.31
Quebec	0.80	.31	14	4	6.47	Rowlandsfield L.S.	10.59	1.53	13	22	
Retreat	2.36	.78	29	7		Seaforth	2.63	.55	14:17	10	
Richmond	2.86	1.15	21	8	7.69	Spanishwood	2.19	.50	15	16	
Warwick L.C.	2.88	.74	14	9		Wheelerfield	3.51	.64	14	11	
Water Valley	1.57	.50	28	5	6.99	Yallahs	0.00			0	3.06
Western St. Mary L.S.	2.33	1.00	29	7		KINGSTON AND ST. ANDREW					
Windsor Castle	4.46	1.94	29	5	8.66	Bamboo Avenue	4.10	1.40	17	12	
PORTLAND						Brandon Hill	2.51	1.20	13	3	
Balcarres	4.78	1.20	17	10	12.01	Cavaliers	2.68	1.69	17	9	
Belle Vue	2.48	1.12	12	6		Clifton Pen	2.10	1.37	17	7	4.00
Belvedere	5.13	2.45	28	9	7.36	Constant Spring	7.43	1.16	17	19	
Boston	3.85	.88	13	19	14.36	Constant Spring Ch. Rd.	5.80	1.80	12	16	
Boundbrook L.S.	7.01	2.55	12	16		Dallas Castle	1.45	.40	20	8	4.20
Buff Bay	5.29	2.40	12	6	8.09	Fort George	9.07	2.08	17	17	
Bybrook	3.49	.80	12	7		Golden Spring	9.01	1.80	15	16	
Caenwood	3.50	2.50	12	4		Gordon Town	7.18	1.30	13	13	7.05
Cedar Hurst	15.17	1.60	14	13	9.08	Guava Ridge	4.46	1.50	14	7	5.64
Chepstowe	5.59	2.51	14	6		Halfway Tree	1.23	.44	23	5	4.44
Darley	7.24	3.28	13	15		Harbour Head	0.35	.22	22	3	
Ecclesdown	11.48	1.87	3:22	16		Hardware Gap F.D.	N.A.				
Fellowship	11.54	3.95	12	12	15.65	Hardware Gap P.W.D.	6.07	1.35	31	14	11.82
Fruitful Vale	3.72	1.85	12	4		Hermitage	6.49	.99	14	18	11.69
Hope Bay	4.68	2.77	12	10	9.94	Hill Gardens	4.61	1.70	20	19	9.40
Lennox	5.35	4.00	13	4	10.26	Hope Farm Ag. Stn.	4.72	1.25	17	19	6.10
Manchioneal	4.51	1.10	12	8	12.33	Hope Laboratory	3.94	1.16	17	15	
Mill Bank	5.90	1.45	13	8	16.29	Hope Waterworks	4.51	1.27	17	16	
Moore Town	5.24	.70	13	19	16.54	Irish Town	6.36	1.81	17	10	7.33
Mt. Holstein	5.09	2.30	17	8	10.34	Iver	7.76	1.73	6	19	
Mt. Pleasant	7.17	3.54	12	8		Kings House Gardens	4.14	1.62	19	13	5.61
Passley Garden	4.72				9.70	Lawrence Tavern	5.44	1.00	4	10	9.83

*And on other days N.A.= Not available.

STATIONS	May, 1947					STATIONS	May, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
	Ins.	Ins.			Ins.		Ins.				Ins.
KINGSTON AND ST. ANDREW, contd.						CLARENDON, contd.					
Mavis Bank	3.36	1.04	14	9	5.64	Building	0.40	.40	27	1	
Mount Airy	9.82	1.98	4	12		Bull Head	16.40	2.00	12	19	
Mount Cressy	15.13	1.87	17	17		Carlisle	1.33	.63	10	8	
Newcastle	4.98	.84	19	15		Chapelton	3.01	.65	20	10	8.77
Red Hills	10.44	1.35	12	18	7.76	Colonel's Ridge	10.40	1.98	12	18	
Rose Hill	6.07	1.35	31	14	12.37	Cottage	0.65	.31	28	4	4.49
Salisbury Plain A.C.	N.A.					Croft's Hill	6.54	1.88	14	8	8.55
Seaview F.P.	7.04	1.52	17	17		Crooked River	5.84	2.05	6	21	8.58
Shortwood College	6.38	1.92	12	16		DaCosta	0.28	.19	10	2	
Stony Hill	8.28	2.26	17	13	8.46	Douce Pennants	8.59	1.85	6	18	
Twickenham Park	0.58	.44	17	4		Exeter	0.63	.40	10	4	4.72
Up Park Camp	2.28	1.00	17	6		Frankfield	4.46	1.05	12	17	9.27
						Glen Muir	0.65	.25	6	3	5.84
KINGSTON						Grimmetts	1.12	.45	28	7	
Kingston P.W.O.	2.62	2.40	17	3	3.48	Hillside	0.13	.13	27	1	5.94
Palisadoes	0.13	.03	19	6		James Hill	4.05	1.20	31	8	
Parade Gardens	1.15	.85	17	3		Kellits	8.54	2.66	14	13	
Plumb Pt. Lighthouse	0.07	.07	4	1	4.37	Knights	1.02	.65	10	4	
St. George's College	1.98	1.12	17	19		May Pen	0.33	.15	13	4	6.36
Upper Kingston	1.99	1.18	17	8	3.05	Milk River	1.76	.92	10	6	5.70
						Mocho L.S.	3.71	2.51	13	6	9.07
ST. CATHERINE						Morelands	0.07	.07	27	1	6.57
Above Rocks	7.92	1.50	12	13		Peckham L.S.	5.84	1.26	14	19	
Bellas Gate	3.33	.94	12	7	6.77	Pennants	3.28	.75	14	12	
Bog Walk	3.62	.65	5	11	9.20	Pusey Hall	0.65	.30	10	3	
Brown's Hall	2.51	.50	14	7	8.38	Rock River	3.57	1.06	23	8	8.51
Carw Castle	8.34	1.34	4	18	10.67	Salt Savannah	0.39	.15	28	4	
Ewarton	4.91	2.61	11	7		Silent Hill	9.99	1.75	4	12	
Ginger Ridge	2.40	.91	14	9		Spaldings	8.83	1.52	N.A.	13	8.71
Glengoffe	8.24	1.48	12	14		Springfield	0.65	.50	10	3	6.31
Grove Farm A.C.	N.A.					Suttons J.G.R.	2.88	.90	14	8	10.19
Guanaboa Vale	2.86	.70	6	10	6.59	Suttons W.I.S.C.	0.40	.40	27	1	
Headworks	4.90	.90	27	13	7.16	Thompson Town	6.51	1.73	13	14	
Hematine	2.18	1.54	18	4	5.33	Trout Hall	5.75				9.55
Hog Hole	1.46	.41	13	11	6.52						
Knollis	4.95	1.70	6	12	9.77	MANCHESTER					
Linstead	2.61	.91	31	8	9.37	Alligator Pond	1.57	1.47	19	2	4.92
Old Harbour	3.31	2.74	18	3	5.70	Christiana	10.76	3.35	17	16	10.56
Pear Tree Grove	3.28	1.16	29	6	8.07	Chudleigh	14.68	2.82	4	13	10.25
Point Hill	2.88	.68	14	16	11.32	Cocoawalk L.S.	0.50	.50	14	1	
Quarantine Station	0.15	.12	18	2	2.82	Craig Head	21.16	4.00	15	15	
Rio Magno	5.62	1.92	27	8	8.39	Garlogie	9.69	1.84	5	14	
Riversdale	5.29	1.65	12	11	8.78	Greenvale	9.86	1.23	15	18	9.53
Sligoville	11.29	3.51	4	18	10.21	Grove Place	6.92	1.50	16	13	
Spanish Town	2.40	1.12	13	4	5.60	Holmwood	8.69	2.10	17	12	
Troja	3.59	.90	30	7	10.67	Kendal	6.77	1.30	19	14	10.06
Troja L.S.	4.37	1.22	29	7		Mandeville	7.39	2.72	19	11	9.97
Tulloch Estate	5.56	1.50	6	13		Mandeville (Manch. Hot)	6.26	1.70	19	12	
Twickenham A.C.	0.75	.75	18	1		Mile Gully	7.64			14	
Worthy Park	5.46	1.84	23	7	7.69	New Forest	1.83	.90	5	5	
						Newport	3.61	.94	5	11	8.07
CLARENDON						Porus	7.90	3.46	9	6	
Amity Hall	0.62	.35	10	6		Retrieve	2.88	1.07	10	5	4.83
Beauchamp	1.60	1.00	10	5		Stones Hope	4.78	1.49	5	10	8.56
Belle Plain	3.06	.63	5	9	7.40	Williamsfield	7.38	1.97	5	14	9.76

N.A. = Not available.

STATIONS	May, 1947					STATIONS	May, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
ST. ELIZABETH	ins.	ins.			ins.	WESTMORELAND, contd.	ins.	ins.			ins.
Aberdeen	16.30	2.53	4	24	..	Bethel Town	15.28	2.55	4	24	17.36
Accompong	N.A.					Blue Castle	16.76	3.05	5	15	
Appleton	18.09	4.90	4	20	13.35	Blue Fields	22.66	2.85	5	19	11.65
Balaclava	23.23	4.10	4	20	12.59	Cornwall	12.39	2.45	5	19	
Bartons	N.A.					Darliston	24.03	3.75	7	21	16.77
Black River	11.60	2.30	18	12	6.62	Fontabelle	14.43	3.46	24	19	11.62
Braes River	21.30	3.70	12	19	..	Friendship	16.35	3.35	24	18	
Bull Savannah	2.31	1.39	19	4	..	Frome	15.03	3.05	24	19	
Fort Charles	N.A.				4.30	Grange Hill	14.92	2.62	12	21	13.16
Ginger Hill	22.64	2.57	7	24	..	Kew Park	16.08	2.47	12	20	13.47
Goshen	20.61	4.05	13	17	..	Lamb's River	23.68	3.10	4	25	
Holland Estate	18.30	2.85	12	20	..	Little London	15.77	2.85	23	14	10.51
Hounslow	2.49	.65	16	6	..	Masemure	13.97	3.04	11	18	
Ipswich	12.12	1.79	4	19	..	Meyersfield	16.15	2.80	23	14	
Lacovia	21.10	2.80	4	19	11.26	Midgham	16.00	2.80	23	18	
Maggotty	18.80	3.53	3	20	13.43	Mint	15.31	2.93	7	21	
Malvern	5.76	2.04	17	14	..	Mt. Eagle	13.98	2.50	7	23	
Mt. Charles	22.90	6.80	12	20	..	Mt. Edgecombe	15.69	3.18	12	23	8.18
Mulgrave	18.13	3.36	24	23	..	Negril Pt. Lighthouse	5.88	1.21	24	14	6.22
Munro	2.76	.85	19	15	6.14	New Market	19.21	4.20	11	20	13.50
Myersville	2.97	.82	15	8	..	Paul Island	14.57	3.56	24	15	
Pedro Plains	16.32	2.45	6	19	3.56	Petersfield	14.15	2.00	13	16	
Quickstep	17.42	2.45	6	20	..	Petersville	15.30	2.21	27	20	11.18
Santa Cruz	22.07	4.20	13	18	11.27	Prospect	14.78	2.54	11	23	
Southfield	1.96	1.06	19	3	..	Rat Trap	18.40	3.16	4	20	
Springfield	19.76	2.50	4	23	..	Retreat Estate	11.79	3.58	23	13	8.95
Springvale	20.22	3.94	4	27	..	Retrieve	14.63	3.15	11	18	
Torrington	2.92	.78	19	9	6.45	Sav.-la-Mar	9.30	1.81	23	11	8.49
Wallingford	N.A.				13.35	Sheffield	13.92	1.98	24	22	
Warminster	2.80	.70	18*	8	..	Shrewsbury	16.65	2.58	24	19	
Williamsfield	3.79	1.04	19	12	..	Spring Garden L. S.	11.07	2.87	23	9	
Windsor	5.18	1.74	17	14	8.24	The Bog	22.98	3.26	4	20	14.29
Yardley Chase	0.95	.63	19	3	..	Water Works Farm	14.80	3.15	4	16	12.23
WESTMORELAND						Welch Pole	15.80	2.25	11	22	
Bath Pen	4.41	1.26	6	16	..	Whithorn	13.95	2.70	4	15	13.74
Baulk	15.17	2.64	24	21	..	Williamsfield	15.68	2.60	12	24	
Belle Isle	19.68	3.64	24	17	12.21						

*And on other days. N.A. = Not available.

NOTE:—Daily readings from selected Stations are published in the Press in the first available issue.

RAINGAUGE STATION NOTES

Apart from the stations having instrument or other difficulties there are a few whose figures are not available this month for some non-ascertainable reason. Normally the monthly returns are received by the end of the first week of the following month and it would be of great help if all raingauge keepers could send in their cards by this time. A reminder letter is sent about the 15th of the month to all stations whose returns have not been received. In a further letter to any "defaulter" still outstanding on the 10th of the next month it becomes necessary to consider whether the station can be retained on the official Jamaica list. If any month's figures are missing, or returns are not regular, the value of a station decreases enormously, while the need for constant reminders ultimately becomes intolerable. It happens on occasion that a Rainfall Card is despatched promptly but does not reach the Meteorological Office. It is annoying for the gauge keeper to receive a reminder letter in these circumstances, but this is obviously unavoidable.

New stations are being added, chiefly by Estate owners, and are planned in areas not well served at present with gauges.

THE ISLAND RAINFALL

As outlined in the January, 1946 issue of the Jamaica Monthly Weather Report the mean rainfall for each parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud ((cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the rain-gauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell. The total rainfall for the first 5 months of 1947 is also compared with the averages.

COMPARATIVE TABLE OF RAINFALL MEANS—MAY, 1947

Parish	RAINFALL FOR MAY			RAINFALL, JAN.—MAY	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches‡
Hanover	10.93	10.10	16.5	23.51	25.19
St. James	8.15	8.36	12.7	20.06	21.12
Trelawny	9.15	8.56	12.4	20.10	22.81
St. Ann	4.54	7.64	9.1	15.41	23.77
St. Mary	3.35	9.01	6.5	16.66	30.47
Portland	6.31	13.14	10.7	34.31	47.73
St. Thomas	3.83	6.75	10.0	20.07	18.92
Kingston and St. Andrew	4.90	7.18	11.4	14.53	18.01
*Kingston	1.32	2.52	6.7	5.16	5.52
St. Catherine	4.17	7.81	8.9	12.99	19.41
Clarendon	4.28	8.49	9.4	11.26	19.45
Manchester	7.23	8.46	9.5	16.70	22.91
St. Elizabeth	13.48	8.87	16.5	27.81	24.43
Westmoreland	15.52	11.16	18.8	32.23	28.77
The Island	7.31	8.43 "70-Year"† 8.89	11.7 "45-Year" 12.0	20.34	23.46 "70-Year" 24.54

NOTES—*The Monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices, and include the City of Kingston, the main part of the harbour, and the Airport.
†The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "The Rainfall of Jamaica to 1939—70-year Period", the Island means now being calculated as the average of the four "Divisions" into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means, but they are considered sufficiently so for practical comparison purposes.

THE MAY RAINFALL

This month the western parishes had a rainfall about or well above normal especially St. Elizabeth and Westmoreland. The Central and eastern parishes however had considerable deficiencies in some cases over 50%, St. Mary being the most hardhit. May is normally a wet month and is relied on by all sections, agriculturists especially, and the non-appearance of rains was keenly felt. The Island cumulative deficiency over the year amounted to about 15%, Clarendon's total rain being less than two-thirds of the normal.

Westmoreland drove Portland from its normal position as the wettest parish in May and indeed Portland was comparatively dry. The month's greatest fall of 24.03 inches was experienced at Darliston in St. Elizabeth. Sixteen stations in the West end of the Island had over 20 inches. It will be seen that Cascade in Hanover and Springvale in St. Elizabeth both had only four days without rain. The heaviest daily fall was 6.80 inches on the 12th at Mt. Charles, 8 other stations had 4 inches or over.

A return of no recorded rainfall was made from Yallahs in St. Thomas, while 7 stations had only one day of rain.

SUNSHINE

The following table shows the duration of sunshine at the four stations where Campbell-Stokes recorders are in operation. The figures for each hourly period are the averages over the month.

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6-7 a.m.	.35	.61	.43	.73
7-8 "	.91	.85	.79	.95
8-9 "	.95	.93	.86	.96
9-10 "	.94	.85	.94	.95
10-11 "	.93	.89	.92	.97
11-12 moon	.88	.81	.84	.97
12-1 p.m.	.81	.63	.59	.89
1-2 "	.61	.37	.69	.67
2-3 "	.42	.43	.56	.58
3-4 "	.30	.44	.50	.57
4-5 "	.29	.34	.51	.47
5-6 "	.22	.29	.49	.35
Total	7.62	7.33	8.32	9.08
Percentage	59%	56%	64%	70%
No. of days over 10 hours	4	3	9	10
Cloudiest day	13th (4.3 hrs.)	11th (2.5 hrs.)	10th (4.9 hrs.)	13th (5.6 hrs.)

From 7 a.m. to mid-day Palisadoes had very little cloud at all. This is not usual for May which normally has many cloudy days over the sea and therefore affecting the Airport. The other stations also had sunshine probably above normal. During the afternoon however, as is to be expected during this usually wet month, cloud cover increased rapidly. A minor minimum will be noted in the early afternoon at both Orange River and Hope Laboratory, following a very marked cloud increase which may be due to the rapid building up of heavy cumulus.

EVAPORATION

Hope Laboratory	..	..	5.58 inches
Negril Point Lighthouse	..	..	6.04 inches

EARTHQUAKES

Date	Time	Intensity	Where felt, etc.
None reported this month.			

CITY OF KINGSTON

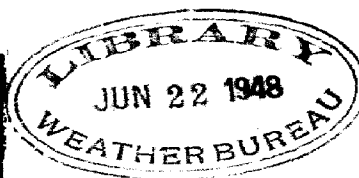
This month Kingston was warmer than normal the mean temperature of 80.4° F comparing with the average of 79.7°. The Winchester Park maximum thermometer reached 90° on only two occasions but did not fail to reach 87° throughout the month. The minimum temperature never fell below 70°, the highest minimum being 76.4° on the night of the 9th. There was a lack of the normal May showers although rain was observed from Palisadoes to be falling at some point on the mainland on no less than 24 days. A thunderstorm occurred on the 15th; thunder was heard on 4 days, and lightning seen on 9 other days. Solar and lunar optical phenomena were frequent, the outstanding being a complete and brilliant solar halo on the 10th, showing all the characteristic colours.

The pressures given for Kingston have been contributed by Mr. J. F. Brennan from his East Street records. Previous issues of this Report may be amended by the addition of the following to the Kingston climatological data for 1947, under the two barometer columns:

January	29.974	29.918
February	29.939	29.891
March	29.973	29.922
April	29.979	29.920

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Air Ministry Meteorological Officer,
Jamaica Government Meteorologist

Meteorological Office,
Palisadoes,
Kingston, Jamaica, B.W.I.



JAMAICA WEATHER REPORT

FOR THE MONTH OF
JUNE, 1947

MONTHLY CLIMATOLOGICAL MEANS

Notes—The Barometric Pressures at synoptic reporting stations are reduced to the standard of Kew, i.e. 32° F., gravity at Latitude 45° and Mean Sea Level.

The thermometers are exposed in shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Altocumulus at medium levels i.e., 2-3 miles, and cirrus and cirrostratus at upper levels i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations only making two readings a day do so at 7 a.m. and 3 p.m. Palisadoes averages are for 4 a.m., 10 a.m. and 4 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures					Daily Sunshine
		7 a.m.	1 p.m.	7 a.m.	1 p.m.	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
	ft.	in.	in.	°F	°F	°F	°F	°F	°F	°F		°F		°F	hrs.
Castleton Gardens	496	..	..	71.5	84.2	..	86.2	68.1	18.1	91.8	30	65.3	15	26.5	..
Grove Place A.C.	..	..	..	70.5	80.4	..	83.9	66.0	17.9	89.1	28	60.1	27	29.0	6.9
Hill Gardens	4,900	..	..	62.3	68.9	..	73.6	59.4	14.2	81.0	28	56.5	16	24.5	..
Hope Laboratory	668	..	..	75.6	88.0	..	91.5	70.4	21.1	97.5	24	66.6	13	30.9	7.4
Kingston	..	29.943	29.905	79.6	86.3	..	89.9	76.1	13.8	96.0	28	73.4	14	22.6	..
Lorrimers	..	..	..	69.2	..	..	79.5	65.9	13.6	86	28	63	27	23	..
Morant Pt. Light Hs.	8	29.951	29.958	81.6	85.7	82.2	86.8	79.2	7.6	89	28	75	15	14	..
Negril Pt. Light Hs.	33	29.941	29.956	77.9	85.4	79.9	86.6	73.7	12.9	91	21	69	28	22	..
Orange River Exp. St.	450	..	..	73.1	81.8	..	86.8	68.3	18.5	91.0	19	64.4	19	26.6	7.2
Palisadoes Airport	19	29.932	29.967	79.7	85.3	85.2	87.2	78.1	9.1	93	28	72	7	21	8.2

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	69	92	81	90	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	69	95	68	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	58	86	65	86	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	70	84	69	54	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	71	73	73	65	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	67	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	78	89	79	80	79	88	E	12	E	11	E	11	6.3	8.0	4.8	7.4	5.1	7.9
Negril Pt. Light H.	72	82	74	68	73	79	ESE	5	SE	8	SE	6	2.4	6.4	4.9	6.7	6.4	7.8
Orange River Exp. St.	71	94	74	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	74	82	76	74	76	75	SE	8	SE	13	SE	13	1.2	3.9	1.4	5.4	1.4	3.5

* and on other days.

Note—Daily readings from selected stations are published in the Press in the first available issue.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their rain-gauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

The rainfall is measured at 7 a.m. and recorded by convention as having fallen on the previous day.

STATIONS	June, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
	Ins.	Ins.			Ins.
HANOVER					
Askenish	10.56	2.55	2	12	15.49
Blenheim	5.03	.80	6	15	
Bluehole	5.04	2.04	2	11	10.74
Cascade	8.19	2.20	2	17	
Copse	N.A.				9.06
Cousins Cove	6.12	1.22	23	25	10.77
Green Island	5.73	1.21	26	15	11.23
Green River	12.95	2.75	2	17	
Haughton Court A.C.	6.87	2.58	2	11	8.25
Haughton Grove	9.14	1.64	26	15	9.28
Haughton Hall	6.90	1.50	2	19	9.72
Hopewell	3.83	1.30	26	11	
Kendal	10.73	1.74	16	13	
King's Vale	3.05	.90	2	14	10.98
Knockalva	5.38	1.05	3	16	
Lucea	4.70	2.84	2	9	7.9
Retirement (F.D.)	10.80	2.56	2	17	
Santoy L. S.	19.13	3.25	2	15	
Shettlewood	12.28	2.65	1	13	
ST. JAMES					
Adelphi	4.24	1.60	2	8	
Anchovy	4.57	1.20	15	14	6.58
Cambridge	7.26	2.40	2	8	10.70
Catadupa	5.39	1.32	15	13	10.41
Cinnamon Hill	1.50	.85	3	4	3.00
Cornwall Works	2.59	1.35	6	4	
Friendship	5.46	1.65	1	12	7.46
Irwin, A. C.	6.98	2.42	1	10	5.88
Kempshot	4.34	.73	23	14	8.65
Lapland	4.02	1.10	15	10	
Latium L. S.	4.33	1.43	6	12	8.10
Maldon School	3.51	1.27	2	9	
Mocho	9.24	3.05	3	10	12.55
Montego Bay	N.A.				6.22
Montpelier	7.10	2.42	15	17	7.40
Retirement	6.56	1.62	1	8	7.66
Richmond Hill	5.72	2.25	15	8	
Rose Hall	1.66	.86	3	5	2.96
Running Gut	2.29	1.15	3	5	3.02
Spring Estate	2.89	1.03	3	8	2.63
Success	1.81	1.12	3	3	2.52
Sweetwater	6.84	1.52	1	11	

*and on other days. N.A. = Not available.

STATIONS	June, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Days		
	ins.	ins.			ins.
St. James, contd.					
Tryall	2.80	1.02	3	8	4.84
Vaughansfield	3.17	1.21	2	6	
Windsor Lodge	4.70	1.05	6	11	
TRELAWNY					
Albert Town	2.10	.87	29	4	5.57
Arcadia	1.85	.95	6	3	3.90
Clarks Town	0.96	.61	6	4	5.02
Deeside	N.A.				
Duncans	1.87	1.20	6	7	3.96
Falmouth	1.42	.53	23	5	2.68
Garredu	1.80	.70	20	3	
Harmony Hall	2.26	1.48	6	4	2.86
Hyde and Gibraltar	0.67	.32	6	4	
Lichfield	1.05	.35	8	4	
Lorrimers	0.91	.20	10	6	
Reserve Pen L.S.	N.A.				
Stewart Town	4.36	3.06	15	6	
Troy	2.54	1.29	30	6	8.13
Troy L.S.	2.55	1.42	29	4	
Ulster Spring	3.25	1.80	1	4	6.57
Unity L.S.	N.A.				
Vale Royal	N.A.				4.09
Wait-a-Bit	1.42	.62	1	7	
Wakefield	3.32	1.18	16	10	6.83
Warsop	5.15	2.03	29	5	6.35
ST. ANN					
Albion	3.65	1.97	1	8	6.06
Alexandria	2.27	.82	1	5	4.09
Arnadale L.S.	2.40	.93	1	7	
Averham Park	5.15	1.71	26	6	4.86
Bel-Air	1.80	.75	1	6	4.04
Beverley L. S.	2.30	1.15	6	5	
Borobridge	3.41	1.14	1	9	
Brown's Town	2.06	.90	16	6	3.91
Cave Valley	2.13	.89	29	8	7.15
Claremont	4.22	1.20	16	6	5.07
Cuffie Ridge	3.41	1.14	1	9	
Eltham	3.82	.81	2	7	
Exchange	3.35	1.46	1	5	
Greenock	1.85	.52	28	8	
Home Castle	4.20	2.63	15	5	3.84
Knapdale	3.42	1.45	1	8	4.94
Liberty Hill	2.02	.74	6	6	3.31
Moneague	2.42	1.03	1	5	7.19
New Ground A. C.	N.A.				
Ocho Rios	4.17	1.36	4	7	3.45
Richmond Estate	2.01	1.25	6	5	3.94
Richmond Pen	4.78	3.51	1	5	4.55
Rio Hoe	3.07	1.30	15	5	7.21
Rockfield	2.65	1.11	6	7	3.32
Runaway Bay	0.76	.44	6	3	2.05
Rural Retreat	4.90	1.79	1	6	
St. Ann's Bay	1.48	.42	16	5	3.72
Stepney	6.33	2.05	1	9	
Thatchfield L. S.	2.14	.55	16*	5	
Unity Valley	2.63	1.86	1	6	7.68

		June, 1947							June, 1947				
STATIONS		Total Fall	Greatest fall in 24 hours		Rain Days	Average	STATIONS		Total Fall	Greatest fall in 24 hours		Rain Days	Average
			Amount	Days						Amount	Date		
ST. ANN, contd.		ins.	ins.			ins.	PORTLAND, contd.		ins.	ins.			ins.
Watt Town	..	1.18	.47	1	4	4.01	Mill Bank	..	7.06	1.24	6	9	20.91
Wilton	..	1.67	.56	6	7		Moore Town	..	8.43	1.79	6	15	18.70
ST. MARY							Mt. Holstein	..	2.00	1.75	1	2	5.73
Agualta Vale	..	1.29	.31	1	7	3.58	Mt. Pleasant	..	3.62	1.62	6	3	
Albany	..	N.A.				3.22	Passley Gardens	..	7.40				13.34
Bundo L. S.	..	1.95	.53	7	6		Plum Valley	..	0.73	.42	6	4	
Castleton Gardens	..	4.01	.97	25	10	9.18	Port Antonio	..	8.76	2.99	6	17	14.38
Dover, A. C.	..	1.58	.75	26	3	4.75	Priestman's River	..	6.72	2.39	6	14	9.20
Enfield	..	0.80	.50	3	5	4.82	Shrewsbury	..	2.03	.99	6	7	17.08
Fort Stewart	..	0.56	.30	3	2		Spring Garden	..	N.A.				4.32
Fort Stewart L. S.	..	1.23	1.02	3	3		Titchfield School P.A.	..	N.A.				
Gibraltar	..	0.70	.70	26	1		Windsor A. C.	..	5.24	1.80	26	16	
Golden Grove, East	..	1.11	.66	26	2		ST. THOMAS						
Golden Grove, West	..	1.00	.60	26	2		Barrett's Gap	..	4.24	1.10	16	8	
Grays Inn Cen. Factly.	..	0.87	.38	1	7		Bath	..	4.24	0.80	26	13	11.60
Guy's Hill	..	4.03	1.57	6	9	5.81	Bowden Pen	..	9.44	1.53	26	15	
Hampstead	..	3.71	.80	6	8	3.90	Buckingham L. S.	..	N.A.				
Iter Boreale	..	1.16	.73	26	4		Cedar Valley	..	3.87	1.05	6	9	11.38
Jacks River	..	2.07	.93	7	6		Clifton Hill	..	2.11	.58	5	11	
Lady Hole	..	0.13	.13	1	1		Coley	..	1.74	.58	23	6	11.96
Lower Esher	..	0.78	.41	10	3		Duckenfield	..	2.01	.31	9	15	
Lucky Hill P.W.D.	..	6.08	1.70	6	8	4.70	Easington	..	1.94	.64	6	7	7.57
Lucky Hill Pen	..	4.92	2.62	5	5		East Prospect	..	2.14	.53	14	9	7.37
Newry	..	1.07	.34	26	7		Golden Grove J. S. E.	..	2.70	.40	26	11	
Nutfield A. C.	..	0.92	.54	6	3		Llandewey	..	3.18	.50	10	4	
Oracabessa	..	2.03	.60	6	6	5.30	Lloyds	..	3.30	1.30	8	7	
Orange River	..	6.30	1.81	3	10		Morant Bay	..	1.83	.42	6	9	7.99
Platfield	..	5.01	1.33	15	11		Morant Pt. Lighthouse	..	0.98	.26	17	9	5.70
Port Maria	..	3.26	.94	1	8	4.69	Plantain Garden River	..	3.95	.70	26	14	
Quebec	..	2.16	.33	6	4	4.28	Pleasant Hill	..	1.96	.41	23	9	6.99
Retreat	..	2.70	.85	1	7		Rowlandsfield L. S.	..	3.03	.30	2*	17	
Richmond	..	5.33	2.60	6	10	5.03	Seaford	..	1.81	.38	7	8	
Warwick Castle L.S.	..	3.85	1.50	4	7		Spanishwood	..	1.11	.20	9*	13	
Water Valley	..	1.25	.50	3	4	4.04	Torre Garda	..	0.49	.15	9	7	
Wentworth	..	1.96	.68	7	6		Wheelerfield	..	1.85	.30	9	7	
Western St. Mary L.S.	..	5.55	2.15	6	7		Yallahs	..	2.37	.91	2	4	8.21
Wey Hill P.W.D.	..	N.A.					KINGSTON AND ST. ANDREW						
Windsor Castle	..	6.28	1.62	6	7	5.81	Bamboo Ave.	..	0.22	.09	5*	8	
PORTLAND							Brandon Hill	..	2.20	1.00	27	5	
Balcarras	..	1.32	.77	2	3	2.49	Cavaliers	..	0.39	.19	6	3	
Belle Vue	..	0.62	.28	26	4		Clifton Pen	..	0.63	.42	7	2	3.75
Belvedere	..	1.24	.53	3	4	2.81	Constant Spring	..	0.64	.22	1*	5	
Boston	..	6.21	2.03	6	6	11.82	Constant Spring Ch. Rd.	..	0.30	.20	6	2	
Boundbrook L. S.	..	8.23	2.80	6	14		Dallas Castle	..	1.01	.60	1	3	6.67
Bruton Hall, F.D.	..	0.60	.20	8	5		Fort George	..	1.09	.51	1	6	
Buff Bay	..	1.53	.70	7	7	6.26	Golden Spring	..	0.88	.50	1	7	
Bybrook	..	0.47	.17	7	4		Gordon Town	..	0.35	.35	1	1	4.80
Caenwood	..	2.25	1.20	7	1		Guava Ridge	..	0.76	.25	1	4	6.55
Cedar Hurst	..	0.66	.52	1	5	6.14	Halfway Tree	..	0.00			0	3.46
Chepstowe	..	0.30	.20	1	2		Harbour Head	..	0.31	.17	6	2	
Darley	..	5.06	1.48	7	12		Hardware Gap F. D.	..	N.A.				
Ecclesdown	..	9.88	1.56	3	14		Hardware Gap P.W.D.	..	0.20	.10	1*	2	7.17
Fellowship	..	7.07	2.58	6	8	16.86	Hermitage	..	0.88	.40	1	8	6.74
Fruitful Vale	..	0.84	.41	6	3		Hill Gardens	..	0.76	.37	1	7	6.69
Hope Bay	..	3.22	1.38	7	8	8.33							
Lennox	..	2.06	1.60	7	2	6.23							
Manchioneal	..	2.38	.72	7	7	8.30							

*and on other days. N.A. = Not available.

June, 1947						June, 1947					
STATIONS	Total Fall	Greatest fall in 24 hours		Rain Days	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
KINGSTON AND ST. ANDREW, contd.						CLARENDON					
Hope Farm A.G. Stn.	0.16	.08	7	3	4.71	Amity Hall	0.73	.20	2	5	..
Hope Laboratory	0.29	.12	7	4	..	Beauchamp	1.20	.30	2	6	..
Hope Water Works	0.12	.07	7	2	..	Belle Plain	0.65	.24	6	4	7.50
Irish Town	0.00	..	..	0	4.48	Building	0.57	.20	6	4	..
Iver	0.12	.06	7	4	..	Bull Head	4.20	2.00	1	7	..
King's House Gardens	0.12	.12	6	1	3.85	Carlisle	1.05	.44	2	10	..
Lawrence Tavern	0.00	..	..	0	6.61	Chapelton	0.76	.27	8	6	6.22
Mavis Bank	1.80	.90	12	3	6.55	Colonel's Ridge	2.45	1.08	1	7	..
Mount Airy	0.60	.60	27	1	..	Cottage	0.84	.35	7	4	6.23
Mount Cressy	4.98	1.93	26	9	..	Croft's Hill	2.93	.75	1	7	5.03
Newcastle	0.32	.18	2	2	..	Crooked River	1.35	.55	26	6	7.27
Red Hills	0.60	.30	6	4	5.55	Da Costa	0.38	.38	6	1	..
Rose Hill	0.90	.37	29	7	6.17	Douce Pennants	0.51	.51	27	1	..
Salisbury Plain A. C.	N.A.	..	..	..	..	Exeter	0.65	.29	6*	3	7.72
Sea View F.P.	1.59	.96	1	7	..	Frankfield	2.94	1.00	1	7	6.78
Shortwood College	0.16	.16	7	1	..	Glen Muir	1.10	.40	6	5	4.74
Stony Hill	0.29	.12	26	5	6.52	Grimmetts	0.46	.20	6	4	..
Twickenham Park	0.25	.20	6	2	..	Hillside	1.23	.64	14	3	8.76
Up-Park Camp	0.19	.19	7	1	..	James Hill	3.90	1.60	1	4	..
KINGSTON						Kellits	2.82	1.00	1	7	..
Kingston P. W. O.	0.00	..	..	0	3.08	Knights	0.95	.32	2	5	..
Palisadoes	0.50	.30	6	4	..	May Pen	0.86	.30	6	5	5.28
Parade Gardens	0.35	.20	6	2	..	Milk River	0.67	.35	6	5	5.43
Plumb Pt. Lighthouse	0.02	.02	9	1	4.04	Mocho L. S.	N.A.	..	..	..	..
St. Georges College	0.42	.24	6	3	..	Morelands	0.71	.25	6	4	3.25
Upper Kingston	0.42	.19	6	4	2.78	Peckham L. S.	3.73	2.58	1	7	..
ST. CATHERINE						Pennants	0.80	.18	26	7	..
Above Rocks	0.95	.95	29	1	..	Pusey Hall	0.75	.25	12	4	..
Bellas Gate	1.26	.59	8	5	4.59	Rock River	1.22	.62	2	5	6.14
Bog Walk	1.18	.48	6	4	7.37	Salt Savannah	0.94	.42	7	4	..
Brown's Hall	1.50	1.03	8	3	9.18	Silent Hill	1.60	1.30	1	3	..
Carew Castle	1.56	1.04	1	4	8.27	Spaldings	1.73	.35	26	9	6.08
Ewarton	2.03	.68	1	7	..	Springfield	0.20	.10	6&7	2	8.60
Ginger Ridge	2.26	.72	9	12	..	Suttons J. G. R.	0.77	.44	9	3	6.58
Glengoffe	1.09	.70	6	2	..	Suttons, W. I. S. C.	0.75	.20	17	6	..
Grove Farm A. C.	N.A.	..	..	..	..	Thompson Town	2.48	.76	26	8	..
Guanaboa Vale	0.80	.80	10	1	6.12	Trout Hall	1.07	.76	26	4	5.62
Headworks	0.53	.26	6	3	4.61	MANCHESTER					
Hematine	0.37	.23	7	4	2.97	Alligator Pond	0.65	.42	6	2	4.02
Hog Hole	0.57	.18	7	7	4.46	Christiana	1.50	.22	7	7	6.23
Knollis	1.17	.81	26	3	8.69	Chudleigh	1.68	.51	7	7	4.92
Linstead	3.31	1.69	29	6	7.36	Cocoawalk L. S.	1.10	.95	6	2	..
Old Harbour	0.54	.26	8	5	5.37	Craig Head	6.37	4.05	1	2	..
Pear Tree Grove	2.62	1.29	6	8	6.59	Garlogie	1.33	.50	9	7	..
Point Hill	3.49	.85	27	9	8.46	Greenvale	1.81	.75	29	9	6.54
Quarantine Station	0.42	.15	9	6	2.88	Grove Place	0.96	.38	29	7	..
Rio Magno	3.29	1.84	16	5	6.59	Holmwood	1.64	.70	30	7	..
Riversdale	0.95	.30	6*	4	10.35	Kendal	1.51	.45	26	7	7.49
Sligoville	1.67	.82	26	5	3.91	Mandeville	1.12	.63	8	3	8.45
Spanish Town	0.50	.42	7	2	5.68	Mandeville, (Manchester Hotel)	2.51	.95	8	9	..
Troja	3.18	1.03	16	6	8.41	Mane Gully	1.80	.85	29	5	..
Troja L. S.	3.32	1.22	15	7	..	New Forest	0.33	.14	8	6	..
Tulloch Estate	1.42	.75	26	5	..	Newport ..	1.51	.92	9	4	7.50
Twickenham A. C.	0.38	.26	9	2	..	Porus	0.92	.53	6	4	..
Worthy Park	4.04	.93	6	7	6.77	Retrieve	0.00	..	0	0	4.12
						Stone's Hope	0.95	.42	6	6	7.71
						Williamsfield	1.70	.43	26	9	10.39

*and on other days. N.A. = Not available.

STATIONS	June, 1947					STATIONS	June, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
ST. ELIZABETH						WESTMORELAND, contd.					
Aberdeen	0.48	29	7	4	..	Bethel Town	6.03	2.36	3	9	11.76
Accompong	N.A.	..	..	..	..	Blue Castle	7.56	1.75	3	11	..
Appleton	1.50	44	2	7	6.90	Bluefields	4.32	1.05	19	11	9.28
Balaclava	1.00	68	1	2	4.89	Cornwall	6.05	1.18	3	15	..
Bartons	N.A.	..	..	..	..	Darliston	5.04	.90	22	12	10.82
Black River	1.36	60	1	3	3.73	Fontabelle	5.52	1.24	30	15	10.09
Braes River	1.11	82	1	3	..	Friendship	5.56	1.16	3	15	..
Bull Savannah	0.15	15	8	1	..	Frome	7.27	1.20	30	14	..
Fort Charles	.00	..	..	0	2.85	Grange Hill	8.68	1.91	29	14	11.25
Ginger Hill	3.29	56	22	9	..	Kew Park	6.11	1.84	3	11	9.36
Goshen	0.00	..	..	0	..	Lamb's River	5.01	1.65	3	7	..
Holland Estate	3.48	1.70	29	6	..	Little London	2.93	1.09	26	12	9.08
Hounsflow	0.00	..	..	0	..	Masemure	4.34	1.40	1	14	..
Ipswich	3.99	1.41	29	8	..	Meyersfield	2.01	.65	26	12	..
Lacovia	3.59	2.40	1	3	6.74	Midgham	7.99	2.43	1	16	..
Maggotty	2.10	1.02	29	6	6.91	Mint	11.03	2.41	29	17	..
Malvern	0.41	.24	7	4	..	Mt. Eagle	8.18	1.35	29	16	..
Mt. Charles	5.13	2.50	1	9	..	Mt. Edgecombe	2.04	.47	4	14	6.37
Mulgrave	4.86	1.45	30	7	..	Negril Pt. Lighthouse	2.44	.55	26	14	5.60
Munro	0.62	.23	7	6	6.11	New Market	2.40	.60	25	6	8.61
Myersville	N.A.	..	..	..	..	Paul Island	2.77	.54	22	12	..
Pedro Plains	N.A.	..	..	..	2.59	Petersfield	6.18	1.10	3	13	..
Quickstep	0.35	.20	19	2	..	Petersville	2.73	1.00	1	7	7.62
Santa Cruz	2.51	1.87	1	3	5.25	Prospect	5.57	.95	29	13	..
Southfield	N.A.	..	..	..	..	Rat Trap	3.64	1.10	6	7	..
Springfield	1.93	.40	19	7	..	Retreat Estate	3.35	.91	22	12	7.38
Springvale	2.21	1.05	25	6	..	Retreive	2.63	.62	22	15	..
Torrington	0.42	.36	8	2	3.62	Savannah-la-Mar	3.05	.81	2	10	6.53
Treasure Beach	N.A.	..	..	..	..	Sheffield	11.62	2.05	10	17	..
Wallingford	N.A.	..	..	..	5.50	Shrewsbury	7.79	1.62	3	15	..
Warminster	0.00	..	..	0	..	Spring Garden L.S.	3.46	.83	5	9	..
Williamsfield	0.35	.35	1	1	..	The Bog	3.76	.95	25	11	8.62
Windsor	0.35	.18	7	5	5.84	Water Works Farm	4.70	1.40	17	7	9.23
Yardley Chase	0.40	.30	9	2	..	Welch Pole	7.04	1.50	2	13	..
WESTMORELAND						Whithorn	3.66	1.12	19	7	10.63
Bath Pen	2.60	.80	7	6	..	Williamsfield	9.52	1.94	5	13	..
Baulk	7.17	1.23	2	15	..						
Belle Isle	6.26	1.02	22	17	9.51						

*and on other days. N.A.—Not available.

NOTE:—Daily readings from selected Stations are published in the Press in the first available issue.

RAINGAUGE STATION NOTES

New stations commencing this month to send readings are Lichfield in Trelawny; Bruton Hall in Portland; and Torre Garda in St. Thomas, a valuable high level station in the Blue Mountains at an altitude of about 4,000 feet.

The Hardware Gap gauge maintained by the Forest Department has now been removed, while Salisbury Plain Agricultural Centre has also ceased.

Many Land Settlement stations have no responsible officers-in-charge to maintain regular readings.

THE ISLAND RAINFALL

As outlined in the January 1946, issue of the Jamaica Monthly Weather Report the mean rainfall for each parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the rain-gauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell. The total rainfall for the first 6 months of 1947 is also compared with the averages.

COMPARATIVE TABLE OF RAINFALL MEANS—JUNE, 1947

Parish	RAINFALL FOR JUNE			RAINFALL, JAN.—JUNE	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	7.39	10.50	13.7	30.90	35.69
St. James	5.24	6.87	10.0	25.30	27.99
Trelawny	1.11	5.08	4.9	21.21	27.89
St. Ann	3.07	4.18	6.4	18.48	27.95
St. Mary	2.97	4.85	6.4	19.63	35.32
Portland	4.32	9.06	8.1	38.63	56.79
St. Thomas	2.84	9.85	8.9	22.91	28.77
Kingston & St. Andrew	.74	5.34	3.5	15.27	23.35
*Kingston	.28	3.74	2.3	5.44	9.26
St. Catherine	1.67	5.98	5.0	14.66	25.39
Clarendon	1.68	5.95	5.4	12.94	25.40
Manchester	1.65	6.72	4.5	18.35	29.63
St. Elizabeth	1.54	5.04	3.9	29.35	29.47
Westmoreland	5.05	8.89	11.4	37.28	37.66
The Island	3.10	6.58	7.1	23.44	30.04
		"70-Year"†	"45-Year"		"70-Year"
		6.91	10.5		31.45

NOTES:—*The Monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices, and include the City of Kingston, the main part of the harbour, and the Airport.

†The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "The Rainfall of Jamaica to 1939—70 year Period", the Island means now being calculated as the average of the four "Divisions" into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means, but they are considered sufficiently so for practical comparison purposes.

THE JUNE RAINFALL

The total rainfall of the Island was sadly deficient this month, the fall only being about 45% of the normal amount. Every Parish felt the effect, but it will be seen that central areas in the southern half of the Island had a deficit of the order of 70%, St. Andrew being exceptionally dry. The cumulative total for the year followed a similar trend, Clarendon being most affected with under 13 inches.

Hanover, as on average, was the wettest parish, but St. Thomas which normally follows close behind, fell to seventh place. The month's greatest fall was experienced at Green River in Hanover with 12.95 inches. Five other stations in the west end had over 10 inches. The heaviest daily fall was 4.05 inches on the 1st at Craig Head in Manchester.

Nine stations, four of them in Kingston and St. Andrew, sent in returns of no rain at all, while 15 other stations had only one day of rain.

SUNSHINE

The following table shows the duration of sunshine at the four stations where Campbell-Stokes recorders are in operation. The figures for each hourly period are the averages over the month.

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6-7 a.m.	.09	.52	.49	.48
7-8 "	.67	.71	.73	.71
8-9 "	.71	.76	.74	.74
9-10 "	.73	.72	.69	.79
10-11 "	.73	.72	.72	.81
11-12 noon	.75	.69	.62	.81
12-1 p.m.	.75	.67	.62	.78
1-2 "	.66	.62	.58	.71
2-3 "	.57	.58	.56	.62
3-4 "	.49	.54	.53	.68
4-5 "	.41	.51	.53	.60
5-6 "	.30	.37	.41	.43
Total	6.86	7.42	7.23	8.18
Percentage	52%	56%	55%	62%
No. of days over 10 hours	14	12	11	14
Cloudiest day	5th, 7th, 10th (nil)	5th, 7th (nil)	7th, 10th (nil)	7th, 10th (nil)

Despite the lack of rain, all stations except Hope shewed an appreciable increase of cloud cover from the May amount. Rain falls from a cloud in the Tropics only if there is sufficient moisture in the cloud to cause the formation of drops sufficiently large to fall out of the cloud. The horizontal extent of the cloud as indicated roughly by the sunshine figures is not important. A sufficient depth of cloud is the chief reason for rain, together with instability, either of vertical struture causing strong vertical currents or, as sometimes termed, "colloidal" causing enlargement or coagulation of the cloud droplets. Mass uplift at a hill range gives a similar effect. The first two factors mentioned can be measured when the equipment is available, but colloidal instability is obscure.

EVAPORATION

Hope Laboratory	5.84 inches
Negril Point Lighthouse	5.59 inches

EARTHQUAKES

Date	Time	Intensity	Where felt etc.
None reported this month.			

TROPICAL DISTURBANCES

No disturbances formed this month in the Atlantic, Caribbean or Gulf areas.

CITY OF KINGSTON

Rainfall this month was negligible over the City, although from Palisadoes rain was observed to fall on some part of the mainland on 14 days. Temperatures were unusually high, the maximum of 89.9°F and minimum of 76.1°F comparing with the long-term averages of 88.5° and 73.6° respectively. The mean temperature (Maxwell Hall formula) was 82.5°, well above the average of 80.9°. It is noteworthy that at Hope Laboratory the maximum of 97.5° reached on the 24th almost the highest ever reported in the Kingston City records, this occasion being August 1923, when 97.8° was recorded. The Kingston maximum of 96.0° on the 28th was the highest in the City for June at least since 1908.

No thunderstorms occurred within range, lightning however being observed on 12 nights. Many solar and lunar halos and coronae were seen.

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RAINFALL RECORDS

The following additions should be made to the published records for Fort Charles, St. Elizabeth.

January 1947—	0.00	0	..
May 1947	2.24	1.00	6 3 ..



JAMAICA WEATHER REPORT

FOR THE MONTH OF
JULY, 1947

MONTHLY CLIMATOLOGICAL MEANS

Notes—The Barometric Pressures at synoptic reporting stations are reduced to the standard of Kew, i.e. 32° F., gravity at Latitude 45° and Mean Sea Level.

The thermometers are exposed in shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The levels i.e., 2-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

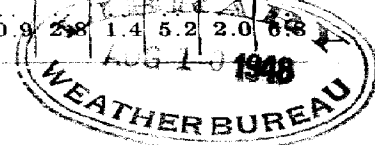
The times of observation given are standard, but non-synoptic stations only making two readings a day do so at 7 a.m. and 3 p.m. Palisadoes averages are for 4 a.m., 10 a.m. and 4 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures				Daily Sunshine	
		7 a.m.	1 p.m.	7 a.m.	1 p.m.	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date		Range
		ft.	in.	in.	°F	°F	°F	°F	°F	°F	°F	°F	°F		°F	hrs.
Castleton Gardens	496	..	..	70.8	85.1	..	87.5	67.4	20.1	191.9	11	65.9	10	26.0	..
Grove Place A.C.	..	..	..	70.6	79.4	..	84.5	63.0	21.5	88.1	5	51.1	4	37.0	6.5
Hill Gardens	4900	..	..	62.5	69.9	..	75.1	59.7	15.4	80.0	26	57.3	3	22.7	..
Hope Laboratory	668	..	..	75.5	88.0	..	93.1	70.3	22.8	98.9	17	67.0	23	31.9	7.4
Kingston	..	29.959	29.919	79.4	88.2	..	91.0	75.4	15.6	94.3	14	71.7	31	22.6	..
Lorrimers	..	..	..	69.8	..	..	81.1	65.3	15.8	85	5	61	2	24	..
Morant Pt. Light Hs.	8	29.970	29.978	82.0	85.0	82.1	86.4	79.0	7.4	88	3	71	23	17	..
Negril Pt. Light Hs.	33	29.959	29.959	77.7	86.1	80.4	87.5	72.1	15.6	91	13	70	2	21	..
Orange River Exp. St.	450	..	..	73.9	82.7	..	87.4	69.2	18.2	90.5	17	64.7	23	25.8	7.7
Palisadoes Airport	19	29.950	29.988	80.0	85.6	85.5	88.0	78.3	10.3	91	5	71	17	20	8.1

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower (L) and Total (T)					
	7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	68	90	82	90	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	69	94	69	70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	60	88	65	84	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	79	82	68	52	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	69	70	73	60	..	..	N	5	SE	17	..	..	..	..	..	..	..	..
Lorrimers	67	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	79	91	79	84	..	..	E	15	E	12	E	12	5.9	9.1	4.6	6.9	4.3	7.8
Negril Pt. Light H.	..	..	..	..	..	..	NE	5	SE	8	SE	6	1.4	7.4	5.6	6.8	5.2	8.4
Orange River Exp. St.	72	92	74	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	75	84	78	76	78	76	ESE	7	SE	14	SE	19	0.9	2.8	1.4	5.2	2.0	6.8

* and on other days.

NOTE—Daily readings from selected stations are published in the Press in the first available issue.



RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their rain-gauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

The rainfall is measured at 7 a.m. daily and recorded by convention as having fallen on the previous day.

STATIONS	July, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
HANOVER	Ins.	Ins.			Ins.
Askenish	17.19	3.59	21	21	10.21
Blenheim	11.51	3.77	21	15	..
Bluehole	8.07	2.14	22	12	6.02
Cascade	14.45	2.91	21	23	..
Copse	N.A.	..	..	..	7.54
Cousins Cove	11.26	3.25	21	29	9.27
Green Island	13.32	1.80	25	19	9.01
Green River	8.25	1.10	14	18	..
Haughton Court A.C.	6.39	1.70	5	11	4.99
Haughton Grove	10.40	1.30	21	10	8.58
Haughton Hall	9.43	1.33	8	26	8.37
Hopewell	5.14	1.55	30	11	..
Kendal	12.06	1.17	13	23	..
King's Vale	3.87	1.17	13	20	9.33
Knockalva	10.60	2.87	13	16	..
Luca	7.42	2.29	5	12	5.18
Retirement (F.D.)	12.30	1.40	21	20	..
Santoy L. S.	12.87	1.98	5	22	..
Shuttlewood	9.25	2.46	13	15	..
St. James					
Adelphi	3.83	1.76	21	9	..
Anchovy	4.94	1.31	21	17	4.80
Cambridge	10.77	2.17	13	9	9.29
Catadupa	10.34	2.35	13	16	9.28
Cinnamon Hill	1.12	.47	5	6	1.30
Cornwall Works	1.76	.68	5	5	..
Friendship	3.12	1.65	21	7	4.14
Irwin, A. C.	2.96	1.07	21	7	3.77
Kempshot	5.51	1.21	22	17	5.83
Lapland	10.49	1.89	13	18	..
Latium L. S.	5.42	2.69	21	8	5.47
Maldon School	6.95	1.27	13	14	..
Mocho	13.96	3.60	13	16	11.05
Montego Bay	3.56	.94	21	8	3.34
Montpelier	6.18	1.30	13	20	6.12
Retirement	4.76	1.72	21	9	4.74
Richmond Hill	8.50	1.70	5	14	..
Rose Hall	1.23	.30	5	8	1.26
Running Gut	2.45	1.23	22	4	1.32
Spring Estate	1.99	1.03	22	5	1.44
Success	1.13	.70	5	4	1.34
Sweetwater	9.00	1.80	13	16	..

*and on other days. N.A. = Not available.

STATIONS	July, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Days		
St. James, contd.	ins.	ins.			ins.
Tryall	2.25	1.58	22	4	3.16
Vaughansfield	5.61	2.51	13	3	..
Windsor Lodge L.S.	3.57	.91	21	12	..
TRELAWNY					
Albert Town	2.36	.62	15	9	5.06
Arcadia	2.60	1.05	30	6	2.23
Clarks Town	2.38	.65	20	9	4.10
Deeside	3.61	1.60	21	7	..
Duncans	3.02	1.18	30	11	2.45
Falmouth	1.72	.73	20	7	1.53
Garredu L.S.	1.75	.60	15	4	..
Harmony Hall	3.31	1.16	20	9	1.60
Hyde and Gibraltar	3.45	2.17	24	11	..
Lichfield	3.43	.74	24	10	..
Lorrimers	5.56	2.00	22	13	..
Reserve Pen L.S.	N.A.	..	..	..	..
Richmond Pen	N.A.	..	..	..	..
Stewart Town	3.59	.77	30	12	..
Troy	2.83	1.21	20	5	6.90
Troy L.S.	4.72	1.72	26	6	..
Ulster Spring	1.23	.65	15	4	5.41
Unity L.S.	N.A.	..	..	..	..
Vale Royal	2.25	1.05	30	5	2.71
Wait-a-Bit	3.78	.67	24	12	..
Wakefield	3.61	1.60	21	7	5.47
Warsop	4.01	1.45	5	11	7.15
St. Ann					
Albion	N.A.	..	..	..	4.10
Alexandria	4.14	1.50	23	7	2.76
Armada L.S.	4.31	1.25	23	9	..
Averham Park	4.72	1.22	30	10	3.05
Bel-Air	2.70	.50	25	12	2.26
Beverley L. S.	4.35	1.25	5	11	..
Borobridge	3.80	1.72	21	7	..
Brown's Town	2.26	.46	25	10	2.51
Cave Valley	3.50	1.00	18	9	4.61
Claremont	6.24	1.30	30	13	3.29
Cuffie Ridge	4.88	1.76	24	8	..
Eltham	4.32	2.14	26	6	..
Exchange	4.79	1.10	27	8	..
Greenock	3.50	1.00	18	9	..
Home Castle	2.50	1.65	30	3	2.39
Knapdale	3.35	1.16	30	10	3.65
Liberty Hill	2.27	.45	2*	9	1.92
Moneague	6.61	1.45	30	14	4.58
New Ground A. C.	N.A.	..	..	..	..
Ocho Rios	6.73	1.91	26	12	2.36
Richmond Estate	3.41	.70	25	12	2.14
Richmond Pen L.S.	2.68	1.03	25	5	2.89
Rio Hoe	7.17	1.44	30	11	4.15
Rockfield	3.08	.55	25	15	3.03
Runaway Bay	1.68	.40	21	7	1.29
Rural Retreat	4.72	..	..	..	..
St. Ann's Bay	3.57	.63	17	15	2.79
Stepney	10.68	2.65	1	9	..
Thatchfield L. S.	4.76	1.15	29	9	..
Unity Valley	5.32	2.18	30	16	5.58

STATIONS	July, 1947					STATIONS	July, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Days					Amount	Date		
ST. ANN, contd.	ins.	ins.			ins.	PORTLAND, contd.	ins.	ins.			ins.
Watt Town	2.38	.70	25	7	2.82	Mill Bank	24.76	4.11	21	21	21.31
Wilton	1.93	1.03	30	5		Moore Town	26.21	4.05	5	22	17.38
ST. MARY						Mt. Holstein	5.22	2.00	17	9	4.90
Aqualta Vale	3.93	1.60	6	7	3.21	Mt. Pleasant	17.65	5.75	5	13	
Albany	N.A.				3.39	Passley Gardens	26.30				12.14
Bundo L. S.	6.50	1.50	5	15		Plum Valley	8.31	1.79	30	7	
Castleton Gardens	7.57	1.97	23	7	6.44	Port Antonio	19.82	3.89	5	19	10.61
Dover, A. C.	10.68	3.13	5	9	4.85	Priestman's River	10.78	1.71	13	20	7.27
Enfield	3.57	1.17	17	9	4.40	Shrewsbury	14.30	2.15	17	16	8.89
Fort Stewart	3.90	1.10	17	9		Spring Garden					
Fort Stewart L. S.	4.15	1.07	21	12		Titchfield School P.A.	N.A.				
Gibraltar	5.43	2.50	6	7		Windsor A. C.	23.05	5.27	5	24	
Golden Grove, East	3.72	1.65	6	8		ST. THOMAS					
Golden Grove, West	3.59	1.25	6	10		Barrett's Gap	13.39	4.12	21	12	
Grays Inn Cen. Factly.	4.79	1.34	5	10		Bath	12.57	3.83	21	14	8.36
Guy's Hill	4.77	1.12	30	9	4.56	Bowden Pen	20.02	5.80	21	15	
Hampstead	4.50	1.60	21	9	2.88	Buckingham L. S.	N.A.				
Iter Boreale	7.70	3.30	6	11		Cedar Valley	9.00	2.40	30	11	4.90
Jacks River	8.00	2.15	5	14		Clifton Hill	10.59	4.60	21	14	
Lady Hole	4.99	1.73	6	9		Coley	11.57	3.32	21	13	7.27
Lower Esher	1.17	.91	10	4		Duckenfield	6.05	1.77	21	16	
Lucky Hill P.W.D.	2.22	.60	25	9	3.29	Easington	8.26	2.07	21	14	5.20
Lucky Hill Pen	2.76	1.22	5	7		East Prospect	10.71	3.38	21	9	4.96
Newry	4.98	1.51	5	11		Golden Grove	N.A.				
Nutfield A. C.	6.48	2.95	6	8		Golden Grove J. S. E.	4.54	2.65	21	8	
Oracabessa	6.97	1.55	5	13	4.28	Llandewey	3.78	1.25	21	6	
Orange River	4.29	1.10	17	12		Lloyds	8.41	3.50	20	4	
Platfield	8.17	1.66	6	13		Morant Bay	10.87	3.40	21	11	5.25
Port Maria	7.63	2.32	5	12	3.81	Morant Pt. Lighthouse	4.41	1.25	27	11	3.26
Quebec	5.14	2.30	6	7	3.57	Plantain Garden River	10.60	3.65	21	12	
Retreat	7.69	2.26	26	11		Pleasant Hill	7.30	2.33	21	11	4.63
Richmond	2.76	1.10	17	6	3.32	Rowlandsfield L. S.	8.94	2.00	21	13	
Warwick Castle L.S.	4.26	1.00	6	9		Seaforth	12.89	3.55	21	16	
Water Valley	5.33	1.90	6	7	3.05	Spanishwood	5.40	1.97	21	11	
Wentworth	N.A.					Torre Garda	6.18	1.64	31	7	
Western St. Mary L.S.	2.94	.90	5	9		Wheelerfield	8.98	2.03	21	10	
Wey Hill P.W.D.						Yallahs	9.30	2.88	21	9	5.60
Windsor Castle	2.66	.82	5	5	3.89	KINGSTON AND ST. ANDREW					
PORTLAND						Bamboo Ave.	2.53	1.10	17	7	
Balcarres	6.58	4.13	17	10	4.14	Brandon Hill	10.42	5.05	23	10	
Belle Vue	10.47	1.90	17	12		Cavaliers	3.18	1.56	17	9	
Belvedere	6.55	1.22	17	12	3.88	Clifton Pen	3.91	1.88	17	9	1.75
Boston	8.88	1.57	13	15	6.13	Constant Spring	4.38	.69	17	14	
Boundbrook L. S.	17.93	2.70	5	15		Constant Spring Ch. Rd.	4.16	.82	30	9	
Bowden Pen	N.A.					Dallas Castle	3.79	1.49	17	6	4.69
Bruton Hall, F.D.	15.35	3.90	17	19		Fort George	5.04	1.03	13	14	
Buff Bay	12.32	4.07	5	13	6.36	Golden Spring	5.59	1.10	18	14	
Bybrook	9.22	2.40	17	12		Gordon Town	3.45	.90	17	6	2.68
Caenwood A.C.	15.10	4.55	5	10		Guava Ridge	3.45	1.20	30	6	4.16
Cedar Hurst	5.67	2.08	17	13	5.20	Halfway Tree	2.88	1.47	17	5	1.87
Chepstowe	10.91	2.15	28	8		Harbour Head	3.27	1.15	30	8	
Darley	15.40	4.78	5	20		Hardware Gap F. D.	N.A.				
Ecclesdown L.S.	18.21	2.67	26	17		Hardware Gap P.W.D.	5.20	1.30	17	7	4.38
Fellowship	25.19	5.00	5	18	14.17	Hermitage	5.57	2.12	23	15	6.56
Fruitful Vale	12.17	3.50	17	16		Hill Gardens	5.84	1.75	30	11	3.54
Hope Bay	15.77	4.50	5	13	11.88						
Lennox	15.82	3.50	5*	10	10.14						
Manchioneal	9.53	3.15	21	16	5.84						

*and on other days. N.A. = Not available.

STATIONS	July, 1947					STATIONS	July, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
KINGSTON AND ST. ANDREW, contd.	ins.	ins.			ins.	CLARENDON	ins.	ins.			ins.
Hope Farm A.G. Stn.	2.85	1.02	17	5	2.67	Amity Hall	6.15	1.90	20	9	
Hope Laboratory	2.57	1.00	17	8		Beauchamp	7.42	2.04	17	8	
Hope Water Works	2.78	.94	17	8		Belle Plain	4.94	1.42	28	8	6.20
Irish Town	3.72	1.30	17	6	2.14	Bog	7.94	2.10	17	7	
Iver	3.03	.70	17	13		Building	6.44	2.05	17	8	
King's House Gardens	3.25	1.40	17	9	2.49	Bull Head	4.45	1.10	5	8	
Lawrence Tavern	8.41	1.91	17	7	5.13	Carlisle	8.83	3.31	21	12	
Mavis Bank	2.42	1.00	30	4	4.16	Chapelton	3.54	.81	21	11	3.51
Mount Airy	9.66	3.55	23	6		Colonel's Ridge	4.56	1.18	5	12	
Mount Cressy	4.18	1.50	17	12		Cottage	8.79	2.78	17	8	4.17
Mount Salus	2.99	.97	30	7		Cotton Tree Gully	6.10	2.10	17	7	
Newcastle	3.14	.88	18	6		Croft's Hill	2.65	.81	5	7	3.60
Red Hills	3.51	1.23	30	10	5.50	Crooked River	N.A.				5.94
Rose Hill	4.13	1.00	23	15	5.75	DaCosta	4.85	1.85	21	4	
Salisbury Plain A. C.	N.A.					Douce Pennants	5.86	.96	27	10	
Sea View F.P.	5.28	.91	23	15		Exeter	7.17	2.16	17	9	1.51
Shortwood College	3.63	.72	25	8		Frankfield	6.25	1.87	5	10	6.61
Stony Hill	5.50	.97	13	14	4.96	Gibbons	6.20	1.80	17	7	
Twickenham Park	2.86	1.36	17	9		Glen Muir	5.70	1.50	22	6	3.85
Up-Park Camp	3.13	1.43	7	5		Grimmetts	4.23	1.96	17	2	
KINGSTON						Hillside	8.84	2.28	17*	7	3.91
Kingston P. W. O.	5.00	3.41	17	4	1.34	James Hill	5.46	1.00	20	7	
Palisadoes	3.47	1.25	17	7		Kellits	3.44	1.71	24	9	
Parade Gardens	3.44	1.04	17	5		Knights	7.51	2.22	21	8	
Plumb Pt. Lighthouse	3.50	1.81	17	4	1.88	May Pen	5.09	1.00	17	8	3.26
St. Georges College	1.99	1.40	17	4		Milk River	3.95	1.22	30	5	2.57
Upper Kingston	3.44	1.49	27	8	2.26	Mocho L. S.	N.A.				
ST. CATHERINE						Mocho P. W. D.	N.A.				4.45
Above Rocks	5.68	1.02	24	9		Morelands	7.71	2.36	21	6	2.81
Bellas Gate	3.15	.85	30	8	3.04	Peckham L. S.	6.86	2.48	5	11	
Bog Walk	5.58	1.20	26	8	6.18	Pennants	4.04	1.60	24	9	
Brown's Hall	2.10	.78	29	7	5.20	Puscy Hall	6.40	1.65	21	7	
Carew Castle	6.55	1.01	17	12	6.45	Rock River	2.12	.31	24	10	4.80
Ewarton	3.63	.89	5	9		Salt Savannah	6.94	1.85	21	7	
Ginger Ridge	3.56	.50	28	16		Silent Hill	5.43	1.90	5	8	
Glengoffe	7.47	1.32	24	11		Spaldings	4.37	.97	5	11	5.10
Grove Farm A. C.	N.A.					Springfield	6.00	1.85	17	8	3.21
Guanaboa Vale	2.00	1.50	17	2	4.98	Suttons J. G. R.	3.52	.86	1	9	6.40
Headworks	2.20	.79	17	8	3.29	Suttons, W. I. S. C.	6.29	1.78	17	8	
Hematine	2.91	1.69	17	7	1.97	Thompson Town	5.64	1.95	21	12	
Hog Hole	2.74	1.42	17	6	2.42	Trout Hall	5.32	1.05	20	10	4.75
Knollis	6.48	1.20	26	10	6.56	MANCHESTER					
Linstead	7.10	2.49	24	11	5.95	Alligator Pond	4.06	1.06	30	7	2.30
Old Harbour	6.25	3.40	17	8	2.37	Christiana	2.31	.67	6	8	4.35
Pear Tree Grove	4.88	1.42	2	5	4.22	Chudleigh	2.62	1.62	27	5	4.23
Point Hill	5.83	.97	26	12	6.68	Cocoawalk L. S.	4.73	1.84	30	5	
Quarantine Station	4.64	.98	30	8	1.53	Craig Head	3.51	1.13	13	4	
Rio Magno	6.79	1.95	2	12	6.44	Garlogie	5.35	1.27	28	9	
Riversdale	4.53	1.30	29	9	9.58	Greenvale	2.24	.45	30	13	4.75
Sligoville	5.84	1.58	12	11	8.39	Grove Place	1.43	.39	29	9	
Spanish Town	3.21	1.75	17	6	2.17	Holmwood	3.80	.70	21	12	
Troja Police Stn.	4.60	1.00	29	10	5.69	Kendal	3.38	.75	21	9	5.41
Troja L. S.	4.95	1.30	2	9		Mandevilla	6.20	1.47	21	12	5.73
Tulloch Estate	5.82	1.10	26	10		Mandevilla, (Man. Hotel)	6.38	1.47	21	11	
Twickenham A. C.	3.01	1.63	17	5		Mile Gully	1.76	.50	14	6	
Worthy Park	6.36	1.08	6	9	4.33	New Forest	2.27	.90	28	4	
						Newport	5.70	1.30	30	8	3.98

*and on other days. N.A. = Not available.

STATIONS	July, 1947					STATIONS	July, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
Manchester <i>contd.</i>	ins.	ins.			ins.	WESTMORELAND	ins.	ins.			ins.
Porus ..	5.16	1.22	30	10	..	Bath Pen ..	2.75	.80	26	8	..
Retrieve ..	5.30	1.70	30	6	2.59	Baulk ..	12.43	2.85	23	16	..
Stone's Hope ..	6.40	1.68	30	10	3.98	Belle Isle ..	6.76	1.50	5	12	9.27
Williamsfield Rly. ..	3.14	.80	30	9	7.56	Bethel Town ..	10.61	1.60	13	16	12.91
ST. ELIZABETH						Blue Castle ..	5.47	1.12	26	16	..
Aberdeen ..	6.23	1.84	25	14	..	Bluefields ..	5.46	2.10	26	8	9.36
Accompong ..	8.52	1.55	17	10	..	Cornwall ..	4.98	1.30	26	15	..
Appleton ..	3.99	.92	20	12	7.19	Darliston ..	10.85	2.13	13	19	11.60
Balaclava ..	1.05	1.05	26	1	4.87	Fontabelle ..	5.68	1.10	5	14	9.34
Bartons ..	N.A.	..	..	..	..	Friendship ..	11.13	2.35	23	17	..
Black River ..	1.75	.53	26	5	4.49	Frome ..	7.50	1.30	1	15	..
Braes River ..	1.21	.34	30	6	..	Grange Hill ..	9.23	1.47	23	18	11.33
Bull Savannah ..	3.61	1.34	30	6	..	Kew Park ..	6.53	1.66	15	17	10.06
Fort Charles ..	.00	..	..	0	1.96	Lamb's River ..	15.12	2.60	26	16	..
Ginger Hill ..	10.72	2.00	5*	14	..	Little London ..	5.80	1.21	1	15	8.30
Goshen ..	2.30	2.30	9	1	..	Masemure ..	4.48	.83	13	14	..
Holland Estate ..	5.74	1.65	25	8	..	Meyersfield ..	4.68	.85	19	13	..
Hounslow ..	2.80	.55	28	3	..	Midgham ..	6.49	1.57	13	15	..
Ipswich ..	7.22	1.70	5	14	..	Mint ..	11.50	1.63	13	21	..
Lacovia ..	4.42	1.51	26	5	5.02	Mt. Eagle ..	8.61	1.87	1	19	..
Maggotty ..	6.81	1.10	25	15	8.15	Mt. Edgcombe ..	5.03	1.51	26	13	6.88
Malvern ..	2.27	.54	26	8	..	Negril Pt. Lighthouse ..	3.60	1.75	1	14	5.76
Mt. Charles ..	3.49	1.15	25	14	..	New Market ..	5.20	1.10	5	9	8.48
Mulgrave ..	12.12	1.90	5	15	..	Paul Island ..	3.60	1.00	19	10	..
Munro ..	3.43	.98	30	8	2.76	Petersfield ..	7.11	1.50	22	12	..
Myersville ..	0.98	.61	30	2	..	Petersville ..	3.89	1.44	26	9	7.71
Pedro Plains ..	2.56	.77	21	5	1.68	Prospect Park ..	13.31	2.45	24	17	..
Quickstep ..	1.60	1.10	29	3	..	Rat Trap ..	5.45	1.50	16	6	..
Santa Cruz ..	1.80	1.05	25	4	5.24	Retreat Estate ..	4.98	1.17	1	14	7.29
Southfield ..	3.70	1.05	29	6	..	Retreive ..	4.83	.72	5	16	..
Springfield ..	7.95	1.10	12*	13	..	Sav.-la-Mar ..	3.60	.89	1	12	6.27
Springvale ..	9.07	2.07	26	10	..	Sheffield ..	9.48	1.59	1	16	..
Torrington ..	2.54	.80	30	7	2.45	Shrewsbury ..	9.11	2.00	23	18	..
Treasure Beach ..	N.A.	..	..	..	..	Spring Garden L.S. ..	5.13	1.05	1	11	..
Wallingford ..	N.A.	..	..	..	5.50	The Bog ..	4.93	.83	26	12	8.94
Warminster ..	.50	.50	5	1	..	Water Works Farm ..	4.55	1.35	26	6	9.74
Williamsfield ..	N.A.	..	..	..	..	Welch Pole ..	10.85	2.40	13	15	..
Windsor ..	2.48	.53	26	9	3.55	Whithorn ..	6.74	1.84	23	9	10.62
Yardley Chase ..	3.09	.97	30	6	..	Williamsfield ..	12.70	2.31	24	21	..

*and on other days. N.A.—Not available.

NOTE:—Daily readings from selected Stations are published in the Press in the first available issue.

RAINGAUGE STATION NOTES

Stations are asked to make sure that the reading made at 7 a.m. is recorded for the previous day, not for the day of reading. This is a convention which however must be used since most of Jamaica rain falls in the afternoon and is not measured till the following day.

A number of cards are received with no headings of Parish or Station Name, and so cause much trouble. There are the usual number of tardy or inexplicitly missing returns, which are extracted from reluctant gaugekeepers sometimes only after a lapse of six months or so. It is difficult to see why this should be so.

THE ISLAND RAINFALL

As outlined in the January 1946 issue of the Jamaica Monthly Weather Report the mean rainfall for each parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the raingauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell. The total rainfall for the first 7 months of 1947 is also compared with the averages.

COMPARATIVE TABLE OF RAINFALL MEANS—JULY, 1947

Parish	RAINFALL FOR JULY			RAINFALL, JAN.—JULY	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches‡
Hanover	10.15	8.07	17.3	41.05	43.76
St. James	6.04	4.82	11.5	31.34	32.81
Trelawny	2.84	3.96	7.8	24.05	31.85
St. Ann	4.47	3.01	9.8	22.95	30.96
St. Mary	5.17	3.75	8.9	24.80	39.07
Portland	15.28	8.76	15.5	53.91	65.55
St. Thomas	9.62	6.22	11.3	32.53	34.99
Kingston & St. Andrew	4.40	4.10	8.7	19.67	27.45
*Kingston	3.47	2.27	5.3	8.91	11.53
St. Catherine	4.78	4.60	8.7	19.44	29.99
Clarendon	5.53	4.65	8.8	18.47	30.05
Manchester	4.24	5.30	7.9	22.59	34.93
St. Elizabeth	3.93	5.23	7.6	33.28	34.70
Westmoreland	7.02	9.40	13.5	44.30	47.06
The Island	6.47	5.30 "70-Year"† 5.22	10.6 "45-Year" 9.5	29.91	35.34 "70-Year" 36.67

Notes:—*The Monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices, and include the City of Kingston, the main part of the harbour, and the Airport.

†The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "The Rainfall of Jamaica to 1939—70 year Period", the Island means now being calculated as the average of the four "Divisions" into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means, but they are considered sufficiently so for practical comparison purposes.

THE JULY RAINFALL

This month brought a little alleviation of the general lack of rain, with an Island fall of some 23% above normal. This excess was spread over the Central and Eastern Parishes, only Hanover in the west being better than average. The cumulative rainfall from the beginning of the year, under 30 inches, is still 17% below normal, while the central block of Parishes totalled only about two-thirds of the average amount.

The wettest Parish was Portland with excessive rains for the time of year. Hanover was next wettest with St. Thomas close. Trelawny's rain, most unusually was less than in the City of Kingston. The month's greatest fall was experienced at Passley Garden in Portland, with 26.30 inches. Four other stations in Portland and St. Thomas had over 20 inches. The heaviest daily fall was 5.80 inches on the 21st at Bowden Pen in the St. Thomas slopes of the Blue Mountains. Thirteen other stations recorded over 4 inches in 24 hours.

The only station sending in a return of no rain at all was Ft. Charles in St. Elizabeth.

SUNSHINE

The following table shows the duration of sunshine at the four stations where Campbell-Stokes recorders are in operation. The figures for each hourly period are the averages over the month.

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6-7 a.m.	.20	.46	.41	.35
7-8 "	.69	.70	.65	.69
8-9 "	.82	.81	.80	.81
9-10 "	.83	.86	.80	.85
10-11 "	.80	.78	.83	.89
11-12 noon	.78	.75	.83	.91
12-1 p.m.	.65	.67	.83	.80
1-2 "	.55	.60	.69	.75
2-3 "	.45	.65	.51	.74
3-4 "	.35	.49	.54	.67
4-5 "	.26	.44	.53	.40
5-6 "	.11	.26	.32	.22
Total	6.50	7.35	7.74	8.09
Percentage	50%	56%	59%	61%
No. of days over 10 hours	3	8	8	9
Cloudiest day	6th (Nil)	28th (1.8 hrs.)	6th (2.2 hrs.)	31st (2.9 hrs.)

In the morning there is no great difference between the proportion of sunshine at the various stations, especially between 8 and 9 o'clock. Later however, after a minor rise, both Grove Place and Hope Laboratory show a steady decrease. Orange River also rises slightly, the rise persisting until after 1 p.m., but Palisadoes shows a well-marked maximum between 11 a.m. and 12 noon, and a rapid fall after 3 p.m.

EVAPORATION

Hope Laboratory ..	..	6.06 inches
Negril Point Lighthouse	..	5.03 "

EARTHQUAKES

Date	Time	Intensity	Where felt etc.
28th	Midnight	Slight	Shrewsbury
29th	12 noon	"	Unity Valley, Cedar Valley.
30th	12.15 a.m.	"	Moore Town, Mt. Pleasant, Port Antonio, Hematine, Dallas Castle, East Prospect.

TROPICAL DISTURBANCES

Although numerous minor low pressure troughs moved westwards along the length of the Carribbean and gave periods of heavy showers, no wind circulation formed this month.

CITY OF KINGSTON

The morning and afternoon temperatures were 1-2 F_o above the average for the time of year, as were also both mean maximum and minimum temperatures. The mean daily temperature by the Maxwell Hall formula was 83.0° which compares with the long-term average of 91.4°. The maximum thermometer set up at the Government Laboratory, Hope, registered a record high temperature of 98.9° on the 17th. Rainfall was adequate for July which is a comparatively dry month over the Island. Although the number of days of rain averaged over the various Kingston gauges was between 5 and 6, rain was also seen falling around on about a dozen other occasions. Thunderstorms were experienced at Palisadoes on 5th and 17th. On 5 other days thunder indicated storms within 10 miles, or so, and lightning was observed on yet another 6 occasions.

Solar and lunar optical phenomena were seen many times. The most interesting occasion was on the 6th when a double solar halo was observed, the outer halo being faint and partial, yet definite, subtending an angle of 46° as compared with the 22° of the primary halo.

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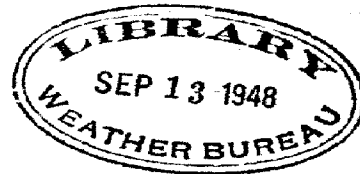
The following amendments or additions may be made to previous issues of the Weather Report:—

Rainfall Reports

DEESIDE (TRELAWNY)						SOUTHFIELD (ST. ELIZABETH)					
March 1947	..	7.38	1.95	30	6	February 1947	..	9.86	3.15	3	8
April "	..	9.21	2.15	18	7	March "	..	2.50	1.60	2	2
May "	..	8.51	2.58	2	11	April "	..	3.52	1.50	25	6
June "	..	11.68	2.10	3	13	June "	..	0.42	0.15	9	4
VALE ROYAL (TRELAWNY)						PEDRO PLAINS (ST. ELIZABETH)					
April 1947	..	1.55	.97	20	2	April 1947	..	1.08	0.45	25	5
June "	..	1.42	.98	6	3	May "	..	1.70	0.68	19	6
						June "	..	0.00	—	—	0



JAMAICA



WEATHER REPORT

FOR THE MONTH OF
AUGUST, 1947

MONTHLY CLIMATOLOGICAL MEANS.

Notes:—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e., 32° F., gravity at Latitude 45° F. and Mean Sea Level.

The thermometers are exposed in shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Altostratus at middle levels, i.e., 2-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations only making two readings a day do so at 7 a.m. and 3 p.m. Palisadoes averages are for 4 a.m., 10 a.m. and 4 p.m.

STATIONS	Elevation ft.	Barometer Pressure		Mean Temperatures						Extreme Temperatures					Daily Sunshine hrs.
		7 a.m.	1 p.m.	7 a.m.	1 p.m.	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
		in.	in.	°F	°F	°F	°F	°F	°F	°F		°F		°F	
Castleton Gardens	496	..	..	70.6	84.5	..	86.8	67.4	19.4	90.5	17	63.9	12	26.6	..
Grove Place A.C.	..	..	..	69.3	78.2	..	84.2	64.6	19.6	89.6	21	60.6	18	29.6	7.7
Hill Gardens	4,900	..	..	62.3	69.7	..	74.1	59.8	14.3	79.2	21*	53.3	8	25.9	..
Hope Laboratory	668	..	..	73.7	85.9	..	90.5	69.5	21.0	94.3	27	66.9	27	27.4	7.6
Kingston	..	29.950	29.912	77.6	87.1	..	90.3	74.0	16.3	93.2	20	70.0	12	23.2	..
Lorrimers	..	..	..	69.6	..	..	80.6	65.0	15.6	85.0	22	61.0	8	24.0	..
Morant Pt. Light H.	8	29.958	29.965	81.8	85.6	82.5	86.9	78.5	8.4	90	22	70	25	20.0	..
Negril Pt. Light H.	33	29.954	29.950	77.2	86.9	80.0	89.0	73.6	15.4	93	28	71	5	22.0	..
Orange River Exp. St.	450	..	..	74.1	82.4	..	87.2	69.4	17.8	90.0	29	65.9	19	24.1	7.6
Palisadoes Airport	19	29.903	29.960	79.1	85.8	84.9	87.4	77.3	10.1	90.0	20	72	1	18.0	8.2

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	68	90	79	86	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	67	95	69	76	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	59	88	65	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	69	87	71	64	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	69	76	74	65	..	..	N	4	SE	14	..	..	..	..	..	..	..	..
Lorrimers	68	94	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	77	85	79	79	78	84	E	11	E	11	E	10	5.0	7.5	4.9	7.0	4.6	7.2
Negril Pt. Light H.	73	85	74	63	74	81	ENE	3	SE	7	SE	4	1.8	3.9	4.9	6.1	5.4	7.6
Orange River Exp. St.	72	92	68	76	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	73	84	76	74	..	..	NW	6	ESE	8	SE	15	0.3	2.2	1.3	3.7	1.9	6.0

*And on other days

Notes:—Daily readings from selected stations are published in the press in the first available issue.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their rain-gauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

Rainfall is measured at 7 a.m. and recorded, by convention, as having fallen on the previous day.

August, 1947						Windsor Lodge L.S.	2.27	.47	19	13
STATIONS	Total Fall	Greatest fall in 24 hours		Rain Days	Average	TRELAWNY				
		Amount	Date			Albert Town	7.66	2.59	5	12
HANOVER	Ins.	Ins.			Ins.	Arcadia	3.55	.85	7	10
						Clarks Town	5.92	1.64	1	13
	Askenish	8.86	2.17	24	13	Deeside	6.74	1.15	5	14
	Blenheim	13.33	1.13	6	8	Duncans	2.36	1.11	19	11
	Blue Hole	2.86	.90	5	8	Falmouth	1.19	.40	3	6
	Cascade	5.03	1.15	28	15	Garredu	1.10	.60	22	2
	Copse	N.A.				Harmony Hall	1.70	.45	9	8
	Cousins Cove	2.29	.81	6	25	Hyde and Gibraltar	6.94	1.32	28	14
	Green Island	6.66	1.95	4	13	Litchfield	8.26	1.44	22	16
	Green River	11.30	2.00	5*	16	Lorrimers	7.87	2.42	29	16
	Haughton Court A.C.	0.91	.65	6	2	Reserve Pen L.S.				
	Haughton Grove	8.22	1.07	28	20	Richmond Pen L.S.	4.78	1.12	31	12
	Haughton Hall	8.21	1.53	4	16	Stewart Town	4.68	1.20	31	15
	Hopewell	3.39	1.03	5	9	Troy	16.30	5.57	4	15
	Kendal	6.30	0.92	4*	12	Troy L.S.	16.30	5.57	4	15
	Kingsvale	6.60	1.55	6	14	Ulster Spring	4.80	.95	1	10
	Knockalva	7.56	.70	5	22	Unity L.S.				
	Lucea	1.05	.54	28	7	Vale Royal	4.57	1.15	24	11
	Retirement (F.D.)	13.55	2.30	24	16	Wait-a-bit	10.61	1.82	22	16
	Santoy L.S.	11.86	2.85	24	14	Wakefield	6.74	1.85	28	14
Shuttlewood	7.15	1.07	24	15	Warsop	14.45	3.20	5	17	
ST. JAMES						ST. ANN				
						Albion	N.A.			
	Adelphi	3.09	.53	1	13	Alexandria	7.19	3.02	9	9
	Anchovy	4.00	.52	4	18	Armada	6.36	2.11	9	11
	Cambridge	7.02	1.31	24	12	Averham Park	1.96	.70	4	7
	Catadupa	7.76	.91	5	18	Bel-Air	2.80	2.25	9	5
	Cinnamon Hill	0.55	.25	2	5	Beverly L.S.	0.47	.20	12	5
	Cornwall Works	1.24	.62	7	5	Borobridge	7.67	1.21	31	12
	Friendship	4.29	1.12	15	12	Brown's Town	3.43	1.68	9	10
	Irwin A.C.	2.50	.82	15	9	Cave Valley	8.90	3.38	9	15
	Kempshot	3.77	1.22	15	15	Claremont	2.00	.40	4	6
	Lapland	7.93	1.37	23	19	Cuffie Ridge	7.67	1.21	31	12
	Latium L.S.	1.99	.69	15	10	Eltham	1.09	.38	5	4
	Maldon	5.51	2.08	14	11	Exchange	1.92	1.10	2	2
	Mocho	N.A.				Greenock	9.92	3.40	9	15
	Montego Bay	3.52	1.29	28	7	Home Castle	2.52	1.92	10	2
	Montpelier	6.77	1.43	24	20	Knapdale	2.61	1.68	9	9
	Retirement	5.47	1.35	15	13	Liberty Hill	0.35	.12	11	5
	Richmond Hill	8.41	2.25	21	13	Moneague	1.36	.70	10	5
	Rose Hall	0.79	.30	2	6	New Ground A.C.	N.A.			
Running Gut	0.85	.25	2	6	Ocho Rios	2.12	.85	28	5	
Spring Estate	1.20	.59	28	5	Richmond Estate	0.28	.15	3	2	
Success	0.81	.28	7	5	Richmond Pen L.S.	4.78	1.12	31	12	
Sweetwater	9.12	1.03	13	19	Rio Hoe	5.57	3.43	9	11	
					Rockfield	1.70	.54	9	9	
					Runaway Bay	.36	.20	9	2	
					Rural Retreat	1.23	.48	4	5	
					St. Ann's Bay	1.50	.48	7	7	
					Stepney	9.38	3.78	29	7	
					Thatchfield L.S.	1.39	1.00	9	5	
					Unity Valley	3.22	1.01	30	8	
					Watt Town	4.97	1.60	9	11	
					Wilton	3.61	2.57	9	4	

*And on other days

N.A. = Not available.

August, 1947						August, 1947					
STATIONS	Greatest fall in 24 hours		Rain Days	Average		STATIONS	Greatest fall in 24 hours		Rain Days	Average	
	Total Fall	Amount					Date	Total Fall				Amount	Date
	Ins.	Ins.					Ins.	Ins.			
ST. MARY						PORTLAND, <i>contd.</i>					
Agualta Vale	0.73	.50	10	3		Plum Valley (<i>ceased</i>)	4.11	1.64	29	6	
Albany	N.A.					Port Antonio	15.24	5.29	1	10	
Bundo L.S.	1.97	.53	1	7		Priestman's River	8.36	2.28	10	18	
Castleton Gardens	7.25	1.75	9	8		Shrewsbury	4.47	2.14	1	9	
Dover A.C.	5.24	1.62	1	5		Spring Garden L.S.	5.90	1.85	11	8	
Enfield	1.41	.57	10	6		Titchfield School P.A.	N.A.				
Fort Stewart	1.50	.62	10	5		Windsor A.C.	12.98	3.04	11	16	
Fort Stewart L.S.	3.50	1.20	28	7		ST. THOMAS					
Gibraltar	2.45	.86	10	7		Barrett's Gap	14.51	2.88	10	9	
Golden Grove East	2.29	.80	10	6		Bath	8.43	2.71	10	6	
Golden Grove West	1.88	.73	10	5		Bowden Pen	13.04	2.80	1	13	
Gray's Inn Cen. Fact.	1.44	.37	11	6		Buckingham L.S.	N.A.				
Guy's Hill	2.64	.73	30	7		Cedar Valley	13.25	4.60	11	13	
Hampstead	1.62	.70	6	4		Clifton Hill	7.72	3.16	10	13	
Iter Boreale	2.05	1.08	1	4		Coley	11.03	3.43	11	12	
Jack's River	1.96	.65	1	7		Duckenfield	5.79	2.42	10	16	
Lady Hole	2.48	.80	10	6		Easington	8.21	1.69	11	15	
Lower Esher	0.03	.03	5	1		East Prospect	8.53	4.19	10	14	
Lucky Hill	2.27	1.35	6	8		Golden Grove J.S.E.	7.75	2.20	10	11	
Lucky Hill Pen	2.08	1.25	5	4		Llandewey	6.00	1.75	9	6	
Newry	1.32	.50	10	6		Lloyds	9.20	3.50	11	6	
Nutfield A.C.	1.60	.80	10	5		Morant Bay	8.38	4.50	10	13	
Oracabessa	1.57	.51	1	5		Morant Point Light H.	3.22	1.64	10	12	
Orange River	N.A.					Plantain Garden River	10.25	4.05	10	17	
Platfield	4.96	1.30	3	14		Pleasant Hill	6.02	2.50	10	8	
Port Maria	2.96	1.13	1	7		Rowlandsfield L.S.	8.40	2.73	10	16	
Quebec	2.19	.80	1	6		Seaforth	11.88	4.91	10	10	
Retreat	0.98	.45	11	4		Spanishwood	4.73	2.10	10	15	
Richmond P.W.D.	3.62	.67	5	11		Terre Garde	6.76	2.57	12	10	
Warwick L.C.	0.93	.38	11	3		Wheelerfield	7.58	2.73	10	14	
Water Valley	0.95	.40	10:11	3		Yallahs	6.79	2.30	10	6	
Wentworth	N.A.					KINGSTON AND ST. ANDREW					
Western St. Mary L.S.	0.50	.38	8	3		Bamboo Avenue	4.01	1.23	29	11	
Windsor Castle	2.40	.67	30	4		Brandon Hill	12.50	3.16	11	7	
PORTLAND						Cavaliers	3.15	.94	11	10	
Balcarras	3.96	.72	28	9		Clifton Pen	3.53	1.17	9	8	
Belle Vue	6.24	1.38	10	6		Constant Spring	8.56	1.57	29	18	
Belvedere	4.04	1.43	29	9		Constant Spring Ch. Rd.	3.81	.63	29	14	
Boston	7.77	2.40	10	13		Dallas Castle	4.70	1.23	30	9	
Boundbrook L.S.	12.89	5.29	1	11		Fort George	8.27	1.07	24	16	
Bruton Hall	9.93	2.70	1	13		Golden Spring	5.65	1.51	31	13	
Buff Bay	5.55	1.60	10	8		Gordon Town	6.92	1.85	30	12	
Bybrook	5.19	1.24	29	8		Guava Ridge	4.26	1.56	30	4	
Caenwood	7.30	2.60	1	7		Halfway Tree	3.32	1.15	11	6	
Cedar Hurst	3.98	.83	10	12		Harbour Head	5.26	1.26	9	8	
Chepstowe	6.22	1.88	1	8		Hardware Gap P.W.D.	8.92	1.95	30	14	
Darley	16.20	4.34	1	16		Hermitage	7.84	1.27	22	18	
Ecclesdown L.S.	21.64	5.12	11	15		Hill Gardens	6.58	2.17	11	9	
Fellowship	16.43	5.50	1	12		Hope Farm Ag. Stn.	3.81	.75	9	11	
Fruitful Vale	8.44	1.85	11	9		Hope Laboratory	3.03	.64	9	12	
Hope Bay	9.73	2.40	1	6		Hope Waterworks	3.14	.55	9	13	
Lennox	8.25	2.50	10	5		Irish Town	8.52	2.80	29	10	
Manchioneal	6.96	2.30	10	9		Iver	4.04	.89	29	12	
Mill Bank	15.94	5.40	24	13		Kings House Gardens	4.21	.94	29	12	
Moore Town	12.35	2.77	1	14		Lawrence Tavern	7.36	1.45	28	9	
Mt. Holstein	4.56	1.10	11	8							
Mt. Pleasant	12.43	5.20	2	7							
Passley Garden	13.45										

*And on other days N.A.= Not available.

August, 1947						August 1947					
STATIONS	Total Fall	Greatest fall in 24 hours		Rain Days	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
	Ins.	Ins.			Ins.		Ins.	Ins.			Ins.
KINGSTON AND ST. ANDREW, contd.						CLARENDON, contd.					
Mavis Bank	6.25	2.30	11	8		Bog	4.97	2.00	10	4	
Mount Airy	16.20	3.16	9	9		Building	2.95	1.05	10	4	
Mbunt Cressy	8.38	2.40	9	16		Bull Head	11.68	1.25	27	14	
Newcastle	6.84	2.15	19	12		Carlisle	3.29	2.25	10	6	
Red Hills	5.66	1.13	30	11		Chapelton	7.16	2.07	11	13	
Rose Hill	2.64	.65	11	11		Colonel's Ridge	11.15	3.27	31	18	
Salisbury Plain A.C.	6.87	1.39	29	15		Cottage	5.12	1.85	7	5	
Seaview F.P.	8.35	1.45	29	15		Cotton Tree Gully	3.38	1.20	10	5	
Shortwood College	3.73	1.24	29	9		Croft's Hill	9.02	1.94	29	9	
Stony Hill	8.99	1.23	9	14		Crooked River	12.07	3.80	27	12	
Twickenham Park	2.39	.80	11	6		DaCosta	3.48	1.66	10	5	
Up Park Camp	3.13	.92	11	5		Douce Pennants	N.A.				
KINGSTON						Exeter	3.49	1.56	10	4	
Kingston P.W.O.	5.41	3.98	10	6		Frankfield	9.73	1.52	27	15	
Palisadoes	4.62	1.97	9	7		Gibbons	2.67	1.35	10	4	
Parade Gardens	2.91	1.05	9	7		Glen Muir	4.95	2.00	10	5	
Plumb Pt. Lighthouse	4.39	2.00	10	7		Grimmetts	1.10	1.08	11	2	
St. George's College	0.62	.35	29	4*		Hillside	4.93	1.80	11	5	
Upper Kingston	3.79	1.31	11	10		James Hill	9.43	1.32	24:31	9	
ST. CATHERINE						Kellits	11.09	3.55	31	13	
Above Rocks	9.07	1.45	31	13		Knights	3.57	1.80	10	3	
Bellas Gate	2.45	1.85	10	5		May Pen	5.23	1.90	10	7	
Bog Walk	11.35	1.80	23	16		Milk River	4.52	2.00	10	8	
Brown's Hall	3.52	.99	10	8		Mecho L.S.	N.A.				
Carew Castle	8.08	1.64	17	16		Mecho, P.W.D.	N.A.				
Ewarton	4.91	1.05	20	9		Morelands	4.08	1.83	10	3	
Ginger Ridge	4.09	.65	1	20		Peckham L.S.	7.63	1.21	31	20	
Glengoffe	9.06	2.00	9	13		Pennants	10.89	2.00	27	16	
Grove Farm A.C.	N.A.					Pusey Hall	2.80	1.75	10	4	
Guanaboa Vale	3.24	1.12	11	5		Rock River	4.76	1.08	10	11	
Headworks	5.38	1.59	7	12		Salt Savannah	3.20	2.10	10	5	
Hematine	2.03	1.31	10	4		Silent Hill	6.32	2.05	31	11	
Hog Hole	3.18	.86	11	9		Spaldings	5.59	1.11	9	9	
Knollis	11.68	1.49	2	18		Springfield	3.65	1.85	10	4	
Linstead	9.24	1.78	19	14		Suttons J.G.R.	5.50	1.91	4	10	
Old Harbour	4.51	2.11	11	6		Suttons W.I.S.C.	4.29	3.34	10	6	
Pear Tree Grove	.97	.56	28	3		Thompson Town	7.23	1.33	27	15	
Point Hill	7.38	1.21	9	15		Trout Hall	12.99	3.26	27	15	
Quarantine Station	3.24	1.12	11	5		MANCHESTER					
Rio Magne	6.94	1.36	9	13		Alligator Pond	2.92	1.27	10	4	
Riversdale	6.10	1.50	20	12		Christiana	4.66	.60	11	16	
Sligoville	10.88	2.08	7	15		Chudleigh	7.39	1.00	29	22	
Spanish Town	2.44	.83	9	14		Cocoaalk L.S.	2.84	1.02	14	3	
Troja Police Station	5.47	2.30	4	5		Craig Head	9.90	2.12	4	12	
Troja L.S.	4.82	1.73	31	4		Garlogie	9.31	1.40	11	15	
Tulloch Estate	12.95	2.30	4	18		Greenvale	4.69	.65	27	16	
Twickenham Park A.C.	2.44	1.00	9	13		Grove Place	7.06	1.63	4	12	
Worthy Park	8.10	2.22	27	9		Holmwood	5.23	1.22	27	15	
CLARENDON						Kendal	10.23	2.54	22	10	
Amity Hall	3.70	2.33	10	4		Mandeville	5.39	1.49	11	11	
Beauchamp	3.10	1.75	10	3		Mandeville (Manch. Hot)	7.51	2.28	10	13	
Belle Plain	4.97	1.90	11	9		Mile Gully	4.51	1.00	10	8	
						New Forest	2.65	1.95	10	7	
						Newport	4.70	2.24	10	5	
						Porus	5.31	1.24	11	9	
						Retrieve	5.29	2.10	11	6	
						Stones Hope	5.42	2.82	10	9	
						Williamsfield Rly.	9.03	2.32	21	14	

N.A. = Not available; *Incomplete 1-18th missing.

STATIONS.	August, 1947					STATIONS	August, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
ST. ELIZABETH	ins.	ins.			ins.	WESTMORELAND, contd.	ins.	ins.			ins.
Aberdeen	12.05	1.44	22	17	..	Bethel Town	8.93	1.20	27	18	..
Accompong	7.13	1.55	15	10	..	Blue Castle	8.35	2.10	5	16	..
Appleton	8.92	1.90	5	17	..	Blue Fields	9.82	2.23	25	13	..
Balaclava	8.75	2.00	29	14	..	Cornwall	6.14	1.40	26	16	..
Bartons	N.A.				..	Darliston	20.25	2.51	24	22	..
Black River	7.52	2.12	4	11	..	Fontabelle	6.87	1.30	19	13	..
Braes River	6.56	2.82	29	14	..	Friendship	7.79	1.40	9	16	..
Bull Savannah	2.96	2.05	10	4	..	Frome	7.07	1.00	24	15	..
Fort Charles	.50	.50	7	1	..	Grange Hill	8.26	2.36	20	13	..
Ginger Hill	17.09	3.04	5	17	..	Kew Park	8.03	1.15	24	18	..
Goshen	N.A.				..	Lamb's River	16.88	2.95	27	19	..
Holland Estate	11.20	1.86	31	16	..	Little London	3.08	.67	26	11	..
Hounslow	4.30	1.30	7	6	..	Masemure	7.42	1.90	19	17	..
Ipswich	12.23	1.94	6	20	..	Meyersfield	4.02	.65	27	14	..
Lacovia	14.86	2.90	4	13	..	Midgham	9.52	2.07	27	15	..
Maggotty	9.10	1.81	5	16	..	Mint	9.80	1.43	19	22	..
Malvern	4.74	1.30	10	12	..	Mt. Eagle	8.82	1.72	19	18	..
Mt. Charles	8.72	1.97	26	18	..	Mt. Edgecombe	7.71	1.72	26	18	..
Mulgrave	21.09	2.85	24	21	..	Negril Pt. Lighthouse	3.14	1.17	29	13	..
Munro	7.48	3.88	7	9	..	New Market	12.18	3.10	4	15	..
Myersville	4.91	1.28	8	9	..	Paul Island	4.74	1.32	27	12	..
Pedro Plains	4.02	1.26	10	7	..	Petersfield	4.70	1.10	10	10	..
Quickstep	15.27	1.34	18	20	..	Petersville	9.37	1.90	27	13	..
Santa Cruz	13.32	2.40	4	15	..	Prospect Park	7.26	1.37	9	19	..
Southfield	5.56	2.72	11	5	..	Rat Trap	10.97	2.10	26	10	..
Springfield	14.73	2.53	5	21	..	Retreat Estate	4.99	1.40	24	15	..
Springvale	9.48	1.52	5	17	..	Retrieve	5.02	1.00	24	16	..
Torrington	7.36	3.53	7	8	..	Sav.-la-Mar	3.09	.64	26	16	..
Treasure Beach	N.A.				..	Sheffield	8.88	1.10	9	18	..
Williamsfield	3.56	1.10	7	10	..	Shrewsbury	6.24	1.25	26	18	..
Windsor	4.77	1.22	10	13	..	The Bog	9.60	2.11	5	16	..
Yardley Chase	2.41	1.00	11	6	..	Water Works Farm	10.35	1.75	13	10	..
						Welch Pole	8.36	1.11	26	16	..
WESTMORELAND						Whithorn	5.79	1.20	4	15	..
Barham	13.15	3.60	5	18	..	Williamsfield	11.89	2.60	27	19	..
Baulk	8.65	1.63	5	19	..						
Belle Isle	8.62	2.35	19	14	..						

*And on other days. N.A. = Not available.

Note:—Daily readings from selected Stations are published in the Press in the first available issue.

RAINGAUGE STATION NOTES

The following stations have at present no gauge, or no responsible officer to make readings.

Copee, Hanover
 Reserve Pen Land Settlement, Trelawny
 Unity Land Settlement, Trelawny
 Albany, St. Mary
 Wey Hill, P.W.D., St. Mary
 Titchfield School, Port Antonio, Portland (no measure)
 Buckingham Land Settlement, St. Thomas
 Hardware Gap, Forest Department, St. Andrew
 Salisbury Plain, St. Andrew
 Goshen, St. Elizabeth (The gauge is being transferred to Gutters)
 Treasure Beach, St. Elizabeth
 Warminster, St. Elizabeth
 Bath Pen Land Settlement, Westmoreland
 Spring Garden Land Settlement, Westmoreland

Efforts are being made to reopen at least some of these.

The undermentioned stations have not sent in their reports, for some unascertainable reason:

Mecho, St. James
 Grace Farm, St. Catherine
 Doune Pigeons, Clarendon

Barham in Westmoreland is a new station set up.

THE ISLAND RAINFALL

As outlined in the January, 1946 issue of the Jamaica Monthly Weather Report the mean rainfall for each parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the rain-gauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell. The total rainfall for the first 8 months of 1947 is also compared with the averages.

COMPARATIVE TABLE OF RAINFALL MEANS—AUGUST, 1947

Parish	RAINFALL FOR AUGUST			RAINFALL, JAN.—AUGUST	
	Actual Inches	20-Year Average Inches†	Raindays No	Actual Inches	Average Inches†
Hanover	6.51	8.94	13.1	47.56	52.70
St. James	5.05	6.43	12.8	36.39	39.24
Trelawny	6.53	6.27	12.1	30.58	38.12
St. Ann	3.57	4.90	7.4	26.52	35.86
St. Mary	2.32	6.06	5.5	27.12	45.13
Portland	10.40	9.96	10.7	64.31	75.51
St. Thomas	8.77	8.62	11.1	41.30	43.61
Kingston and St. Andrew ..	5.97	7.74	9.9	25.64	35.19
*Kingston	4.22	4.98	7.4	13.13	16.51
St. Catherine	6.28	7.36	10.6	25.72	37.35
Clarendon	6.99	7.46	9.9	25.46	37.51
Manchester	5.56	8.33	9.8	28.15	43.26
St. Elizabeth	9.04	8.15	13.6	42.32	42.85
Westmoreland	8.33	10.61	15.7	52.63	57.67
The Island	6.58	7.56 "70-Year"† 7.14	10.9 "45-Year" 11.5	36.49	42.90 "70-Year" 43.81

Notes—*The Monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices, and include the City of Kingston, the main part of the harbour, and the Airport.

†The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "The Rainfall of Jamaica to 1939—70-year Period", the Island means now being calculated as the average of the four "Divisions" into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means, but they are considered sufficiently so for practical comparison purposes.

THE AUGUST RAINFALL

There was again a deficit of rainfall taken over the whole of Jamaica of about one inch, or roughly 15%. This was unevenly distributed, for while the extreme eastern parishes exceeded their normal quota for the month it will be seen that adjacent St. Mary had below half its average rainfall, even less than dry Kingston City. Westmoreland is usually pre-eminent in August but fell to fourth place. The cumulative year's rainfall showed a deficit of about 7 inches or 16% approximately, with the parishes in the centre of the Island showing only 25–27 inches against a normal of 37–45 inches.

The month's greatest fall of 21.64 inches was experienced at Ecclesdown in Portland, while Mulgrave in St. Elizabeth and Darliston in Westmoreland also had over 20 inches. Nine other stations had a total of over 15 inches. The highest day's fall occurred in Trelawny where Troy had 5.57 inches on the 4th. The 1st was a wet day in Portland, three stations having over 5 inches on that day. No station sent in a return of no rain at all, although Lower Esher in St. Mary had only one rain day with a very light shower, and Fort Charles also one rain day. A feature perhaps is the excessive number of raindays at Cousins Cove in Hanover coupled with the very low rainfall total they produced. The average fall of rain per rainday, taken for the whole Island, is 0.6 inches, whereas Cousins Cove averaged less than 0.1 inches per day.

SUNSHINE

The following table shows the duration of sunshine at the four stations where Campbell-stokes recorders are in operation. The figures for each hourly period are the averages over the month.

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6-7 a.m.	.33	.57	..	.55
7-8 "	.79	.82	..	.84
8-9 "	.83	.83	..	.86
9-10 "	.87	.82	..	.84
10-11 "	.77	.82	..	.88
11-12 noon	.84	.71	..	.84
12-1 p.m.	.78	.64	..	.73
1-2 "	.64	.62	..	.78
2-3 "	.46	.48	..	.62
3-4 "	.32	.48	..	.55
4-5 "	.24	.52	..	.46
5-6 "	.17	.31	..	.30
Total	7.07	7.62	..	8.20
Percentage	56%	60%	..	65%
No. of days over				
10 hours	3	8	..	9
Cloudiest day	2nd (Nil.)	2nd, 11th (Nil.)	..	2nd 11th (Nil.)

Cloudiness follows the normal day trend. The main peculiarity this month is the maximum of sunshine at Grove Place between 9 and 10 a.m. followed during the next hour by a minor minimum. Palisadoes shows its maximum between 10 and 11 a.m. with a similar minor minimum after noon.

EVAPORATION

Hope Laboratory	..	..	4.86 inches
Negril Point Lighthouse	..	..	5.40 inches

EARTHQUAKE

Date	Time	Intensified	Where felt etc.
8th	7.40 p.m.	Slight	Dover Agric. Centre and Rural Retreat
17th	3.30 p.m.	..	Mount Charles
20th	3.00 a.m.	..	Pennants
21st	2.00 a.m.	..	Rural Retreat

CITY OF KINGSTON

The pressure at Kingston this month was above normal, the average values at 7 a.m. and 3 p.m., being 29.940 and 29.984 inches respectively. The mean temperature (Maxwell-Hall formulae) was 81.8° F. slightly above the normal of 81.0°, the humidities being correspondingly lower. The extreme maximum of 93.2° was however not out of the ordinary, being even a little lower than average. Thunderstorms, the majority slight, occurred at Palisadoes on 6 days. Thunder was heard on another half dozen days, and lightning indicated more distant activity on as many as 12 further days. Appreciable precipitation was measured at Palisadoes on 7 days, but rain was observed falling on the mainland at some point on 15 other days. Coronae were seen on 4 occasions, and solar halos on the 12th and 13th.

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JAMAICA

WEATHER REPORT

FOR THE MONTH OF
SEPTEMBER, 1947

MONTHLY CLIMATOLOGICAL MEANS

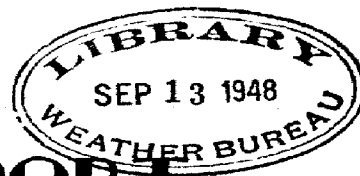
Norms—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e. 32° F., gravity at Latitude 45° and Mean Sea Level.

The thermometers are exposed in shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors. Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are Altocumulus at middle levels, i.e., 2-3 miles, and cirrus and cirrostratus at upper levels i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations only making two readings a day do so at 7 a.m. and 3 p.m. Palisadoes averages are for 4 a.m., 10 a.m. and 4 p.m.



STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures					Daily Sunshine
		7 a.m.	1 p.m.	7 a.m.	1 p.m.	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
		ft.	in.	in.	°F	°F	°F	°F	°F	°F	°F		°F	°F		hrs.
Castleton Gardens	496	..	..	70.1	81.3	..	83.3	67.3	16.0	86.5	8	64.5	25	22.0	..
Grove Place A.C.	..	..	..	67.5	77.8	..	84.2	64.7	19.5	87.5	30	61.9	25	25.6	6.2
Hill Gardens	4900	..	..	62.3	65.8	..	71.5	59.9	11.6	77.0	1	57.3	16	19.7	..
Hope Laboratory	668	..	..	73.8	82.8	..	89.7	70.6	19.1	93.7	5	67.7	25	26.0	6.6
Kingston	..	..	..	77.6	84.4	..	87.7	74.7	13.0	93.6	1	70.8	25	22.8	..
Lorrimers	..	..	..	69.3	..	..	80.9	65.0	15.9	84.0	10	61.0	14	23.0	..
Morant Pt. Light Hs.	8	29.923	29.917	80.9	86.7	82.3	85.7	76.7	9.0	90.0	12	72.0	25	18.0	..
Negril Pt. Light Hs.	33	29.915	29.911	78.3	86.8	79.4	88.0	74.3	13.7	91.0	15	72.0	25	19.0	..
Orange River Exp. St.	450	..	..	72.4	81.3	..	89.2	68.8	20.4	94.0	15	65.9	25	28.1	5.9
Palisadoes Airport	19	29.903	29.960	79.1	86.1	84.1	88.4	77.2	11.2	93.0	1	73.0	20	20.0	7.6

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	68	93	77	90	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	67	99	71	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	59	89	64	92	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	71	90	74	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	72	81	75	74	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	67	94	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	75	79	81	83	76	81	E	7	E	8	E	7	4.6	7.7	5.1	8.0	3.8	7.3
Negril Pt. Light H.	71	77	75	67	74	83	NE	6	SE	8	NE	7	2.6	7.1	4.1	6.9	6.6	7.5
Orange River Exp. St.	71	98	73	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	75	88	76	73	77	79	N	3	SE	4	SE	8	0.7	2.9	1.4	5.3	3.0	7.3

Norm—Daily readings from selected stations are published in the Press in the first available issue.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their rain-gauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

The rainfall is measured at 7 a.m. and recorded by convention as having fallen on the previous day.

STATIONS	September, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
HANOVER	Ins.	Ins.			Ins.
Askenish	20.78	3.00	20	21	11.60
Blenheim	13.54	2.52	20	18	
Blushole	13.91	3.00	20	15	8.54
Cascade	20.22	3.35	20	24	
Copce	N.A.				10.54
Cousins Cove	12.89	3.44	20	26	7.78
Green Island	11.52	2.40	24	20	9.54
Green River	17.77	3.60	20	23	
Haughton Court A.C.	9.91	3.02	20	12	6.92
Haughton Grove	16.82	2.70	20	22	12.12
Haughton Hall	11.13	2.44	20	18	7.96
Hopewell	9.46	1.55	29	16	
Kendal	13.40	1.35	20	23	
King's Vale	12.64	2.80	20	21	9.76
Knockalva	14.06	1.62	20	20	
Luca	10.13	2.15	20	20	7.76
Retirement (F.D.)	19.92	3.10	20	21	
Santoy L. S.	13.44	2.68	20	12	
Shettlewood	16.00	2.20	20	18	
ST. JAMES					
Adelphi	8.57	1.52	13	18	
Anchovy	11.95	1.62	12	23	6.89
Cambridge	16.68	2.70	20	15	12.04
Catadupa	19.48	2.60	8	26	13.72
Cinnamon Hill	6.96	2.40	13	13	3.67
Cornwall Works	6.16	1.70	13	11	
Friendship	14.26	2.23	4	17	7.49
Irwin, A. C.	13.59	3.20	29	15	6.99
Kempshot	14.13	1.72	18	21	8.96
Lapland	21.36	3.80	8	23	
Latum L. S.	8.35	1.06	3	24	9.21
Maldon School	14.59	2.55	4	21	
Mochó	N.A.				11.83
Montego Bay	10.04	1.75	29	14	6.38
Montpelier	12.72	2.05	20	22	7.21
Retirement	15.75	2.86	4	17	8.46
Richmond Hill	15.82	3.10	20	20	
Rose Hall	6.73	3.00	13	12	3.33
Running Gut	7.47	1.80	8	12	3.54
Spring Estate	5.41	1.10	8	12	3.58
Success	7.15	1.85	13	11	3.37
Sweetwater	15.89	2.20	20	26	

N.A. = Not available.

STATIONS	September, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Days		
St. James, contd.	ins.	ins.			ins.
Tryall	4.32	1.42	13	11	4.61
Vaughansfield	17.61	3.66	21	17	
Windsor Lodge L.S.	9.88	1.55	29	20	
TRELAWNY					
Albert Town	10.65	2.12	24	13	10.26
Arcadia	4.50	1.60	13	10	4.40
Clarks Town	4.80	1.30	23	14	4.27
Deeside	10.51	2.23	3	16	
Duncans	4.76	1.32	23	12	2.27
Falmouth	4.38	1.51	29	10	3.23
Garredu L.S.	5.50	1.20	29	10	
Harmony Hall	4.21	1.02	8	14	3.53
Hyde and Gibraltar	4.72	1.25	10	15	
Lichfield	8.72	1.46	24	15	
Lorrimers	10.90	2.00	12	19	
Reserve Pen L.S.	N.A.				
Stewart Town	10.56	1.67	4	18	
Troy	15.27	2.20	25	17	13.13
Troy L.S.	15.27	2.20	25	17	
Ulster Spring	16.74	2.51	9	18	9.83
Unity L.S.	N.A.				
Vale Royal	5.78	2.04	30	11	4.46
Wait-a-Bit	10.61	1.95	3	16	
Wakefield	14.51	4.05	29	16	6.45
Warsop	11.77	2.65	7	16	9.59
ST. ANN					
Alexandria	12.61	3.50	24	15	6.17
Armada L.S.	11.83	2.00	24	18	
Averham Park	9.67	1.80	16	15	5.50
Bel-Air	2.90	1.15	13	10	3.79
Beverley L. S.	3.38	1.45	15	8	
Borobridge	13.70	2.48	21	19	
Brown's Town	6.68	1.88	8	17	5.43
Cave Valley	18.33	3.05	21	18	7.66
Claremont	11.92	2.78	28	12	6.11
Cuffie Ridge	13.70	2.48	21	19	
Eltham	3.10	1.12	29	9	
Exchange	1.55	.90	29	2	
Greenock	17.07	2.92	21	18	
Home Castle	7.82	2.70	8	8	5.11
Knapdale	6.53	1.16	13	18	5.04
Liberty Hill	1.37	.50	17	9	2.47
Moneague	4.67	1.00	21	12	7.07
New Ground A. C.	N.A.				
Ocho Rios	4.33	.63	17	14	3.59
Richmond Estate	1.24	.30	1	7	3.63
Richmond Pen L.S.	15.64	4.10	24	21	5.95
Rio Hoe	5.87	1.15	21	14	6.09
Rockfield	5.87	1.05	5	14	4.59
Runaway Bay	2.14	1.50	13	7	2.32
Rural Retreat	6.50				
St. Ann's Bay	0.93	.31	21	8	3.48
Stepney	10.18	2.94	25	6	
Thatchfield L. S.	6.33	1.35	2	11	
Unity Valley	5.16	1.28	21	17	7.84

STATIONS	September, 1947					STATIONS	September, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Days					Amount	Date		
St. ANN, contd.	ins.	ins.			ins.	PORTLAND, contd.	ins.	ins.			ins.
Watt Town	17.14	3.08	24	17	5.74	Moore Town	5.94	1.47	2	9	15.02
Wilton	3.16	.57	16	11		Mt. Holstein	12.57	1.80	24	15	9.71
St. MARY						Mt. Pleasant	4.05	2.58	16	2	
Agualta Vale	3.98	1.85	23	9	4.71	Passley Gardens	2.00				9.73
Bundo L. S.	3.65	.90	29	8		Plum Valley	4.51	2.50	29	8	
Castleton	19.00	2.76	7	19	12.12	Port Antonio	5.58	1.44	2	15	10.48
Dover, A. C.	2.95	1.90	29	2	4.95	Priestman's River	3.97	1.26	18	12	10.40
Enfield	6.38	3.66	29	9	6.74	Shrewsbury	5.84	2.13	23	10	9.44
Fort Stewart	5.00	1.75	29	9		Spring Garden L.S.	N.A.				5.59
Fort Stewart L. S.	8.86	2.32	25	13		Titchfield School P.A.	N.A.				
Gibraltar	3.65	1.19	23	8		Windsor A. C.	5.84	2.20	2	10	
Golden Grove, East	3.45	1.10	29	8		St. THOMAS					
Golden Grove, West	3.94	1.25	29	8		Barrett's Gap	22.96	3.59	23	11	
Grays Inn Cen. Fcty.	4.20	1.32	23	10		Bath	15.16	2.23	2	15	12.45
Guy's Hill	8.10	2.58	21	17	7.04	Bowden Pen	11.16	2.20	2	11	
Hampstead	6.70	2.00	20	8	5.82	Buckingham L. S.	N.A.				
Iter Boreale	4.00	.95	29	9		Cedar Valley	14.95	3.65	21	16	11.85
Jacks River	4.31	1.45	29	12		Clifton Hill	11.54	1.99	2	19	
Lady Hole	5.07	1.12	23	10		Coley	9.61	2.17	22	9	10.79
Lower Esher	0.00			0		Duckenfield	6.64	1.11	3	16	
Lucky Hill P.W.D.	7.10	1.46	21	13	3.65	Easington	12.58	2.33	21	14	8.39
Lucky Hill Pen	5.18	1.03	21	9		East Prospect	11.35	2.08	23	17	8.85
Newry	2.95	1.78	23	11		Golden Grove J. S. E.	8.27	1.30	2*	13	
Nutfield A. C.	3.19	1.14	23	7		Llandewey	12.58	2.33	21	14	
Oracabessa	3.26	1.00	21	8	5.75	Lloyds	11.28	2.75	21	9	
Orange River	4.12	.90	20	12		Morant Bay	14.29	4.70	19	15	8.12
Platfield	9.87	1.61	21	19		Morant Pt. Lighthouse	4.38	1.17	3	16	6.85
Port Maria	5.33	2.13	29	8	4.29	Plantain Garden River	16.10	2.70	2	16	
Quebec	7.76	3.82	29	7	4.77	Pleasant Hill	9.34	1.59	2	10	8.85
Retreat	2.51	.80	21	13		Rowlandsfield L. S.	10.49	2.00	3	17	
Richmond P.W.D.	3.37	.90	20	12	5.91	Seaforth	12.23	2.55	22	14	
Warwick Castle L.S.	5.07	1.45	21	8		Spanishwood	6.02	1.15	23	17	
Water Valley	3.63	1.50	23	9	4.66	Torre Garda	14.04	4.53	22	18	
Western St. Mary L.S.	9.23	1.52	8	12		Wheelerfield	7.54	1.30	21	16	
Windsor Castle	10.02	1.85	13	12	5.00	Yallahs	9.14	2.58	19	8	7.04
PORTLAND						KINGSTON AND ST. ANDREW					
Balcarras	9.58	1.70	8	15	7.56	Bamboo Ave.	9.11	2.47	20	16	
Belle Vue	4.34	1.30	25	7		Brandon Hill	22.13	3.15	17	21	
Belvedere	6.22	3.00	29	9	2.98	Cavaliers	9.79	2.07	13	17	
Boston	5.16	1.05	18	15	9.40	Clifton Pen	11.41	3.61	19	13	4.49
Boundbrook L. S.	5.38	1.51	2	16		Constant Spring	13.18	2.83	13	23	
Bruton Hall, F.D.	5.17	1.63	17	8		Constant Spring Ch. Rd.	11.34	1.65	21	17	
Buff Bay	2.35	.85	2	6	5.17	Dallas Castle	11.03	2.56	21	13	10.92
Bybrook	4.70	1.97	26	10		Fort George	N.A.				
Caenwood A.C.	2.75	1.00	2	6		Golden Spring	15.81	2.20	21	25	
Cedar Hurst	20.38	3.26	7	21	8.15	Gordon Town	19.54	4.40	21	15	8.06
Chepstowe	5.26	1.60	24	8		Guava Ridge	11.88	3.20	21	10	7.29
Darley	4.66	1.22	2	10		Halfway Tree	11.60	2.20	19	11	4.82
Enclosedown L.S.	N.A.					Harbour Head	11.63	4.96	19	6	
Fellowship	5.17	1.85	2	9	12.41	Hardware Gap P.W.D.	26.70	3.35	21	20	10.60
Fruitful Vale	6.10	2.20	23	8		Hermitage	17.36	2.92	21	23	9.69
Hope Bay	3.26	1.38	2	8	7.31	Hill Gardens	12.28	4.10	21	20	9.27
Lennon	3.80	2.00	24	6	6.44	Hope Farm A.G. Stn.	11.89	2.37	21	18	7.14
Manchioneal	6.33	1.23	21	8	10.25						
Mill Bank	7.80	1.62	23	11	17.20						

*and on other days. N.A. = Not available.

STATIONS	September, 1947					STATIONS	September, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
KINGSTON AND ST. ANDREW, contd.	ins.	ins.			ins.	CLARENDON	ins.	ins.			ins.
Hope Laboratory	9.38	2.50	21	15	..	Amity Hall	6.24	1.90	10	10	..
Hope Water Works	9.89	1.96	21	18	..	Beauchamp	4.44	1.95	20	6	..
Irish Town	14.18	2.80	20	16	8.55	Belle Plain	13.71	3.05	13	12	8.12
Iver	12.18	3.03	18	18	..	Bog	7.55	2.64	23	7	..
King's House Gardens	11.53	2.40	6	15	5.44	Building	8.75	3.12	19	8	..
Lawrence Tavern	20.39	3.00	8	15	9.80	Bull Head	16.20	2.80	21	15	..
Mavis Bank	10.70	3.37	21	10	7.29	Carlisle	5.36	2.50	19	11	..
Mount Airy	20.78	1.86	6	22	..	Chapelton	7.06	2.95	21	14	7.77
Mount Cressy	15.56	1.80	6	24	..	Colonel's Ridge	17.21	3.63	21	16	..
Mount Salus	20.24	3.00	14	19	..	Cottage	6.30	1.96	23	7	6.40
Newcastle	13.81	2.44	21	18	..	Cotton Tree Gully	5.47	2.15	23	7	..
Red Hills	8.69	2.90	21	15	8.14	Croft's Hill	12.26	2.30	13	13	8.41
Rose Hill	16.15	2.12	20	19	12.22	Crooked River	11.79	3.48	21	20	7.14
Sea View F.P.	13.38	2.29	21	24	..	Da Costa	3.94	2.12	23	6	..
Shortwood College	12.25	2.83	21	19	..	Exeter	4.95	1.60	19	8	5.15
Stony Hill	14.06	2.31	21	20	9.93	Frankfield	11.81	2.40	21	17	8.09
Twickenham Park	8.23	1.78	13	12	..	Gibbons	6.90	.48	24	2	..
Up-Park Camp	7.90	1.70	19	14	..	Glen Muir	9.25	1.50	19*	10	4.92
						Grimmetts	3.22	2.35	20	3	..
KINGSTON						Hillside	6.86	2.15	23	6	5.34
Kingston P. W. O.	12.95	4.63	15	9	3.36	James Hill	11.63	2.50	10	15	..
Palisadoes	7.97	1.81	15	10	..	Kellits	16.10	2.65	6*	20	..
Parade Gardens	8.33	1.93	13	13	..	Knights	4.82	1.82	19	8	..
Plumb Pt. Lighthouse	6.84	2.84	19	6	4.32	May Pen	6.79	1.40	23	13	6.72
St. Georges College	8.13	1.87	13	17	..	Milk River	5.92	2.70	20	8	6.76
Upper Kingston	9.64	1.98	13	16	4.53	Morelands	5.31	2.00	23	6	6.12
						Peckham L. S.	15.98	3.25	21	23	..
ST. CATHERINE						Pennants	8.06	2.60	21	17	..
Above Rocks	18.39	2.30	21	20	..	Pusey Hall	6.65	2.15	23	7	..
Bellas Gate	9.22	2.75	21	13	5.64	Rock River	13.59	3.85	13	17	5.90
Bog Walk	10.85	1.81	10	15	6.89	Salt Savannah	6.45	2.41	23	8	..
Brown's Hall	8.21	1.60	21	12	9.81	Silent Hill	8.54	2.12	13	11	..
Carew Castle	17.09	2.98	21	21	10.35	Spadings	11.09	2.20	19	14	7.82
Ewarton	11.57	1.90	23	16	..	Springfield	3.94	2.50	20	15	5.05
Ginger Ridge	9.78	2.08	20	17	..	Suttons J. G. R.	12.67	2.51	21	16	7.48
Glengoffe	14.00	2.21	21	20	..	Suttons, W. I. S. C.	7.46	2.45	19	9	..
Grove Farm A. C.	N.A.					Teak Pen L. S.	11.02	3.51	21	16	..
Guanaboa Vale	29.88	6.00	15	11	5.77	Thompson Town	10.67	3.41	21	18	..
Headworks	4.90	.65	21	15	6.19	Trout Hall	15.80	3.37	21	24	10.47
Hematine	4.44	.90	19	10	4.51						
Hog Hole	6.27	1.62	20	13	5.68	MANCHESTER					
Knollis	13.81	2.50	10	10	7.46	Alligator Pond	8.94	4.18	2	7	5.34
Linstead	12.89	2.13	8	18	7.40	Christiana	9.44	2.07	13	14	8.70
Old Harbour	5.77	1.21	23	9	6.01	Chudleigh	10.74	2.95	21	22	9.50
Pear Tree Grove	6.58	1.28	18	15	5.78	Cocoa Walk L. S.	8.13	1.87	19	8	..
Point Hill	11.05	2.12	20	13	10.65	Craig Head	15.89	4.60	15	9	..
Quarantine Station	5.26	1.36	20	9	3.25	Garlogie	17.69	5.05	21	19	..
Rio Magno	8.13	1.95	21	13	5.43	Greenvale	8.90	1.80	7	18	7.81
Riversdale	8.64	1.60	21	14	8.08	Grove Place	7.14	1.90	21	13	..
Sligoville	21.34	2.50	9	24	9.69	Holmwood	9.01	1.99	8	14	..
Spanish Town	6.19	1.28	21	10	4.84	Kendal	11.87	2.87	21	13	9.28
Troja Police Stn.	8.04	2.90	20	10	5.97	Mandeville	8.07	2.50	21	9	9.92
Troja L. S.	9.28	2.05	21	12	..	Mandeville, (Man. Hotel)	11.62	2.80	21	12	..
Tulloch	13.56	2.03	21	18	..	Mill Gully	11.39	2.30	7	9	..
Twickenham A. C.	7.81	2.10	21	8	..	New Forest	8.72	2.30	20	10	..
Worthy Park	12.72	4.30	14	12	7.50	Newport	14.22	3.92	19	14	8.23

*and on other days. N.A. = Not available.

September, 1947						September, 1947					
STATIONS	Total Fall	Greatest fall in 24 hours		Rain Days	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
Manchester contd.						WESTMORELAND					
	ins.	ins.			ins.		ins.	ins.			ins.
Porus	13.34	3.12	21	13		Barham	25.49	5.52	20	22	
Retrieve	13.18	2.95	21	9	6.43	Bath Pen	N.A.				
Stone's Hope	14.34	3.44	19	14	8.58	Baulk	21.20	3.70	20	21	
Williamsfield Rly.	11.77	3.55	21	15	9.02	Belle Isle	17.37	4.75	20	6	10.45
ST. ELIZABETH						Bethel Town	19.62	3.50	20	17	14.22
Aberdeen	16.39	3.09	25	18		Blue Castle	18.59	5.00	20	23	
Accompong	19.67	3.40	24	10		Bluefields	12.93	2.70	20	13	10.52
Appleton	11.72	2.28	25	20	11.74	Cornwall	18.48	2.35	20	23	
Balaclava	12.49	3.75	20	12	10.30	Darliston	22.00	4.00	21	22	14.61
Black River	7.20	2.40	20	9	5.27	Fontabelle	15.41	3.51	20	21	10.58
Braes River	19.59	3.60	20	15		Friendship	15.28	2.38	16	21	
Bull Savannah	9.94	4.00	20	6		Frome	13.59	3.26	20	22	
Fort Charles	4.92	3.00	27	3	3.53	Grange Hill	17.34	4.40	20	20	12.02
Ginger Hill	13.77	2.57	20	16		Kew Park	16.42	3.67	20	19	12.06
Goshen	N.A.					Lamb's River	29.51	3.85	20	22	
Holland Estate	13.18	4.05	20	17		Little London	13.09	3.30	20	16	9.37
Hounslow	8.14	1.95	20	9		Masemure	11.73	2.81	20	15	
Ipswich	14.39	1.75	22	17		Meylersfield	11.37	3.00	20	16	
Lacovia	10.88	2.84	20	12	5.55	Midgham	13.60	2.58	20	18	
Maggotty	13.32	2.80	20	17	11.42	Mint	15.65	3.08	20	22	
Malvern	14.05	5.92	20	15		Mt. Eagle	13.18	3.35	20	18	
Mt. Charles	11.80	3.66	22	18		Mt. Edgecombe	12.12	2.81	20	16	7.99
Mulgrave	21.84	3.10	20	20		Negril Pt. Lighthouse	6.97	1.75	20	16	6.39
Munro	9.90	4.50	20	7	5.98	New Market	12.81	2.20	10	15	11.50
Mylersville	6.49	1.43	20	8		Paul Island	12.11	3.00	20	15	
Pedro Plains	5.82	4.29	20	8	4.10	Petersfield	13.25	1.95	21	18	
Quickstep	21.08	3.25	26	20		Petersville	10.86	2.13	1	16	9.48
Santa Cruz	13.09	4.30	20	15	9.41	Prospect Park	17.34	3.34	20	20	
Southfield	8.02	4.05	20	7		Rat Trap	27.07	2.70	15	18	
Springfield	14.55	2.58	22	21		Retreat Estate	10.64	3.54	20	17	7.44
Springvale	18.36	3.68	22	17		Retrieve	11.55	2.65	20	16	
Torrington	10.55	5.16	20	13	6.45	Sav.-la-Mar	11.69	.50	20	18	7.14
Treasure Beach	N.A.					Sheffield	15.59	3.20	20	21	
Warminster	11.30	4.50	20	9		Shrewsbury	18.08	2.59	20	20	
Williamsfield	5.18	3.34	21	9		Spring Garden L.S.	N.A.				
Windsor	13.98	5.33	20	16	7.64	The Bog	12.87	2.70	20	16	12.38
Yardley Chase	5.46	1.90	20	8		Water Works Farm	15.49	3.65	20	17	11.01
						Welch Pole	23.65	4.95	20	22	
						Whithorn	16.31	3.70	20	17	11.17
						Williamsfield	11.93	1.50	3	18	

*And on other days. N.A.—Not available.

NOTE:—Daily readings from selected Stations are published in the Press in the first available issue.

RAINGAUGE STATION NOTES

The Land Settlement stations are still in a state of flux, with the main difficulty the responsibility for the readings of such gauges as are available. Many stations that have not sent readings in for some time have been or will be omitted from the tables. There is still great difficulty in obtaining monthly returns at all promptly.

Stations are reminded that the fall measured at 7 a.m. should be credited to the previous day, not the day of measurement.

THE ISLAND RAINFALL

As outlined in the January 1946 issue of the Jamaica Monthly Weather Report the mean rainfall for each parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representatives of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the rain-gauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the parish figures since the parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell. The total rainfall for the first 4 months of 1947 is also compared with the averages.

COMPARATIVE TABLE OF RAINFALL MEANS—SEPTEMBER, 1947

Parish	RAINFALL FOR SEPTEMBER			RAINFALL, JAN.-SEPT.	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	14.52	8.95	18.8	62.08	61.65
St. James	13.03	6.44	18.9	49.42	45.68
Trelawny	9.77	6.33	14.7	40.30	44.45
St. Ann	5.76	4.86	10.7	32.28	40.72
St. Mary	6.68	5.84	11.0	33.80	50.97
Portland	6.09	13.77	10.1	70.40	89.28
St. Thomas	11.76	9.66	13.7	53.06	53.27
Kingston and St. Andrew	12.67	8.04	15.9	38.31	43.23
*Kingston	8.98	3.81	11.8	22.11	20.32
St. Catherine	11.86	6.40	14.1	37.58	43.75
Clarendon	10.30	7.38	13.3	35.76	44.98
Manchester	11.39	8.27	11.6	39.54	51.53
St. Elizabeth	12.55	7.45	13.4	54.87	50.30
Westmoreland	15.44	9.31	18.0	68.07	66.98
The Island	10.90	7.61 "70-Year"† 7.80	14.2 "45-Year" 12.6	47.39	50.51 "70-Year" 51.61

NOTES:—*The Monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices, and include the City of Kingston, the main part of the harbour, and the Airport.

†The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "The Rainfall of Jamaica to 1939—70 year Period", the Island means now being calculated as the average of the four "Divisions" into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means, but they are considered sufficiently so for practical comparison purposes.

THE SEPTEMBER RAINFALL

It will be seen from the Island rainfall this month that the average was well exceeded, by as much as over 3 inches or about 42%, bringing the year's rain more towards the cumulative normal. All parishes with one exception shared in this excess, particularly striking being St. James with more than twice its normal rainfall, though all the Western Parishes had heavy rains for the month. However Portland, which usually this month is wet, had less than 50% of the normal and the only drier parish was St. Ann.

The month's greatest fall occurred at Guanaboa Vale, St. Catherine where 29.88 inches were totalled, Lamb's River in Westmoreland following close with 29.51 inches. Three other stations had over 25 inches, and a further 14 stations had over 20 inches. The greatest fall in 24 hours was experienced at Guanaboa Vale, where 6.00 inches fell on the 15th. Malvern, Barham, Blue Castle, Torrington and Garlogie had between 5 and 6 inches while over a score of stations reported a day's fall of over 4 inches.

A return of no rain at all was received from Lower Esher, St. Mary. Exchange in St. Ann had only 2 raindays, as also Dover Agricultural Centre, St. Mary, Mt. Pleasant, Portland and Gibbons, Clarendon.

A fall of hail was reported from Mandeville on the 13th, while Sligo report their rain as the heaviest since 1940.

SUNSHINE

The following table shows the duration of sunshine at the four stations where Campbell-Stokes recorders are in operation. The figures for each hourly period are the averages over the month.

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6-7 a.m.	.16	.43	.10	.44
7-8 "	.72	.85	.66	.87
8-9 "	.81	.85	.81	.83
9-10 "	.86	.81	.87	.86
10-11 "	.87	.83	.78	.89
11-12 noon	.80	.77	.66	.88
12-1 p.m.	.76	.56	.55	.85
1-2 "	.56	.46	.41	.61
2-3 "	.27	.42	.32	.50
3-4 "	.17	.32	.19	.46
4-5 "	.17	.18	.15	.29
5-6 "	.06	.07	.08	.09
Total	6.23	6.58	5.87	7.58
Percentage	51%	54%	48%	62%
No. of days over 10 hours	0	1	0	8
Cloudiest day	20th (1.8 hrs.)	3rd (2.2 hrs.)	3rd (1.9 hrs.)	23rd (2.8 hrs.)

Cloudiness, and its time incidence, appears to follow normal tendencies this month.

EVAPORATION

Hope Laboratory	..	..	..	3.53 inches
Negril Point Lighthouse	5.03 inches

EARTHQUAKES

Date	Time	Intensity	Where felt etc.
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None reported this month.

TROPICAL STORMS IN AUGUST AND SEPTEMBER 1947

August

On the 12th a small tropical storm formed in the extreme N.W. Caribbean and moved North-north-westwards across the N.E. corner of the Yucatan peninsular. The strongest winds experienced were 50-60 m.p.h. The storm then passed in to the Gulf of Mexico. On the 19th a small storm developed N.W. of Cula and moved slowly west with winds below 50 m.p.h. Neither of these two storms affected the Colony or its Dependencies.

September

A severe tropical storm formed, and on the 11th was located about 750 m. E. of Martinique. It developed into a hurricane and moved off in a W.N.W. direction at 15-20 m.p.h. On the 12th a preliminary storm warning was sent to Turks Island and on the night of the 13th and during the 14th the centre passed some 150 miles to the north giving winds of gale force over the Island. The hurricane then slowed down and increased in intensity and area into one of the largest seen for some time. Instead of curving off the N.W., as is more normal, the centre began to turn westwards and struck the Florida coast in the Palm Beach area causing extensive damage to property and crops but fortunately with little loss of life. (This compares with an almost exactly similar hurricane on September 18th 1926, where over 100 people died). Now of enormous proportions, the vast whirl moved into the Gulf of Mexico and began to recurve to W.N.W. Its speed increased steadily though still below 15 m.p.h. and the centre passed over New Orleans on the 19th causing widespread damage along the whole coast from Pensacola. It then moved inland decreasing in intensity and increasing in speed, becoming innocuous on 21st in the middle West.

Soon after this a weak tropical storm developed in a low pressure area which had moved N.W. across Jamaica on 19th. It was first suspected East of Grand Cayman and warnings of wind gusting to gale force were dispatched to the Commissioner of the Cayman Islands. The United States Weather Bureau at Miami were also informed of the likelihood of development, which actually occurred within 24 hours, the storm however only becoming well defined on 21st. It then moved off N.W. and turned north across the tip of Cuba to affect the Western coast of Florida with gales. Passing inland across north Florida it decreased in intensity and moved into the Atlantic.

The only other disturbance was a feeble low pressure area which was found about 400 miles east of the Windward Islands. It moved in a N.W. direction and on the 30th reached Bermuda where it amalgamated with the previous Florida storm. No effect was felt in Jamaica.

CITY OF KINGSTON

The mean temperature by the Maxwell Hall formula was 80.6° F. This is exactly the same as the long term average, but there was less extreme between lowest and highest daily temperatures, probably due to excess of cloud and rain. A cloudy and rainy day obviously prevents the temperature rising very high in the afternoon, and at night the presence of cloud lessens radiation from the ground and so reduces the fall of temperature. The amount of cloud may be judged to some extent by the rainfall, (but see J.W.R. No. 851 for comment on this aspect), which averaged 9 inches over the City gauges, as compared with an average of less than 4 inches. The average number of raindays was 12, but apart from this, precipitation was seen falling around on about 10 other days. Distant lightning was seen from Palisadoes on 9 days; thunder indicated a storm within about 10 miles on 11 days. Slight thunderstorms were reported at Palisadoes on 7th and 9th and a heavy storm on the 13th.

Many solar and lunar halos and coronae were seen, but the most interesting optical phenomenon was the rare appearance of iridescence in Altocumulus cloud on the 8th with its characteristic bright green and red colours at some (angular) distance from the sun.

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JAMAICA

WEATHER REPORT

OCT 13 1948

FOR THE MONTH OF OCTOBER, 1947

MONTHLY CLIMATOLOGICAL MEANS

NOTES:—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e. 32° F., gravity at Latitude 45° and Mean Sea Level.

The thermometers are exposed in shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which mainly uses a Dinec Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are Altocumulus at middle levels, i.e., 2-3 miles, and cirrus and cirrostratus at upper levels i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations only making two readings a day do so at 7 a.m. and 3 p.m.

Palisadoes averages are for 4 a.m., 10 a.m. and 4 p.m.

STATIONS	Elevation ft.	Barometer Pressure		Mean Temperatures						Extreme Temperatures					Sunshine Daly hrs.
		7 a.m.	1 p.m.	7 a.m.	1 p.m.	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range	
Castleton Gardens	496	in.	in.	°F	°F	°F	°F	°F	°F	°F		°F		°F	
Grove Place A.C.	...	...	...	70.4	82.9	...	84.8	67.2	17.6	88.5	15	65.8	23*	22.7	...
Hill Gardens	4,900	...	...	67.6	77.9	...	83.9	64.6	19.3	87.6	1	61.9	19	25.7	6.8
Hope Laboratory	668	...	...	61.9	66.9	...	72.0	59.7	12.3	77.0	2	58.3	14	18.7	...
Kingston	...	29.882	29.827	73.0	85.6	...	90.4	70.2	20.2	93.0	4	68.6	17	24.4	7.8
Lorrimers	...	...	...	76.9	86.2	...	89.6	72.3	17.3	93.1	1	72.1	21	21.0	...
Morant Pt. Light Hs.	8	29.877	29.863	69.0	...	...	80.8	64.5	16.3	84.0	3*	53.0	22	31.0	...
Negril Pt. Light Hs.	33	29.881	29.857	80.7	86.1	82.6	87.7	79.4	8.3	90.0	6	72.0	15*	18.0	...
Orange River Exp. St.	450	...	...	76.7	86.6	79.8	88.1	76.1	12.0	91.0	2	71.0	27*	20.0	...
Palisadoes Airport	19	29.863	29.928	71.2	81.5	...	88.5	68.6	19.9	92.0	9	66.4	10	25.6	7.0
				79.3	86.9	85.6	88.7	77.7	11.0	92.0	1	73.0	15	19.0	8.7

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower(L) and Total(T)					
	7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	68	91	80	90	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grove Place A.C.	68	99	71	81	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hill Gardens	59	89	65	91	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hope Laboratory	70	91	75	69	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kingston	72	84	76	71	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lorrimers	68	97	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Morant Pt. Light H.	79	95	79	85	70	89	E	8	E	8	E	9	4.9	6.9	4.7	6.6	4.1	4.2
Negril Pt. Light H.	73	87	75	67	75	84	NE	3	SE	7	NE	5	1.7	5.8	3.9	5.6	3.7	4.1
Orange River Ex. St.	70	98	74	77	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palisadoes Airport	73	82	75	69	75	71	N	3	SE	4	SE	10	0.5	1.4	1.0	3.4	2.1	6.4

* and on other days.

NOTE—Daily readings from selected stations are published in the Press in the first available issue.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their rain-gauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

The rainfall is measured at 7 a.m. and recorded by convention as having fallen on the previous day.

STATIONS	October, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
HANOVER	Ins.	Ins.			Ins.
Askenish	8.52	2.80	6	15	15.46
Blenheim	9.77	2.43	22	14	
Bluehole	2.93	.66	12	9	10.63
Cascade	9.98	2.30	6	18	
Copse	N.A.				10.07
Cousins Cove	8.81	1.83	22	25	10.78
Green Island	5.44	1.67	22	13	8.98
Green River	4.15	1.80	31	10	
Haughton Court A.C.	9.10	1.95	22	11	7.54
Haughton Grove	10.25	1.36	16	16	11.82
Haughton Hall	3.87	1.35	6	13	8.64
Hopewell	4.26	1.76	13	11	
Kendal	3.43	2.06	31	6	
King's Vale	2.82	.80	31	9	8.65
Knockalva	7.31	1.96	22	18	
Lucea	4.51	2.15	20	13	8.60
Retirement (F.D.)	6.73	1.58	6	9	
Santoy L. S.	7.15	1.23	23	7	
Shettlewood	7.93	1.85	29	14	
ST. JAMES					
Adelphi	8.28	2.71	14	13	
Anchovy	5.41	1.32	6	15	6.94
Cambridge	7.63	2.18	5	8	13.28
Catadupa	11.30	2.21	6	21	14.92
Cinnamon Hill	3.32	.77	22	11	6.81
Cornwall Works	8.79	2.61	19	10	
Friendship	10.22	2.23	22	15	10.24
Irwin, A. C.	7.26	1.35	6	13	6.86
Kempshot	7.88	1.66	15	15	9.97
Lapland	12.14	2.03	6	21	
Latium L. S.	10.32	3.35	12	12	8.96
Maldon School	14.10	2.38	29	17	
Mocha	N.A.				19.02
Montego Bay	7.34	2.07	22	12	7.68
Montpelier	7.92	1.90	29	14	9.68
Retirement	8.71	1.77	22	15	9.54
Richmond Hill	9.30	2.10	5	13	
Rose Hall	4.12	1.10	11	11	6.71
Running Gut	5.97	2.65	19	9	5.94
Spring Estate	8.31	2.91	19	9	6.33
Success	5.11	1.60	5	11	6.26
Sweetwater	16.54	2.85	6	20	
Tryall	7.64	2.46	19	11	6.36
Vaughansfield	20.65	6.30	29	12	
Windsor Lodge L.S.	9.75	2.10	15	16	

N.A. = Not available.

STATIONS	October, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Days		
	ins.	ins.			ins.
TRELAWNY					
Albert Town	9.59	2.37	14	13	11.75
Arcadia	2.00	1.05	22	4	6.45
Clarks Town	5.80	1.48	15	10	9.04
Deeside	6.79	2.25	6	8	
Duncans	3.53	1.54	22	10	6.19
Falmouth	4.30	1.18	13	8	5.66
Garredu L.S.	6.15	1.40	19	10	
Harmony Hall	3.31	1.54	22	12	5.35
Hyde and Gibraltar	8.51	2.22	15	16	
Lichfield	10.14	1.62	31	15	
Lorrimers	12.34	2.60	30	19	
Reserve Pen L.S.	N.A.				
Stewart Town	7.48	1.59	12	15	
Troy	14.03	1.90	14	16	15.89
Troy L.S.	14.95	3.13	13	15	
Ulster Spring	6.77	3.00	14	12	11.72
Unity L.S.	N.A.				
Vale Royal	4.20	1.68	23	9	6.62
Wait-a-Bit	16.26	2.83	16	17	
Wakefield	6.79	2.25	6	8	9.25
Warsop	10.66	1.95	13	14	15.43
ST. ANN					
Alexandria	8.00	1.50	15	11	8.20
Armada L.S.	8.13	2.27	21	14	
Averham Park	9.71	2.32	14	11	10.57
Bel-Air	5.70	3.50	15	9	7.86
Beverley L. S.	6.25	1.75	26	9	
Borobridge	8.07	1.94	27	12	
Brown's Town	8.86	2.30	12	16	8.62
Cave Valley	10.70	2.73	13	14	9.47
Claremont	11.36	2.75	30	13	8.59
Cuffie Ridge	8.07	1.94	27	12	
Eltham	3.59	1.13	26	7	
Exchange	2.79	1.40	15	6	
Greenock	10.71	2.73	13	14	
Home Castle	4.20	1.10	19	6	7.18
Knapdale	8.19	2.47	15	13	9.41
Liberty Hill	4.57	1.30	14	11	5.95
Moneague	8.41	2.50	30	15	9.32
New Ground A. C.	N.A.				
Ocho Rios	3.05	1.00	31	8	6.26
Richmond Estate	5.22	1.80	25	14	6.81
Richmond Pen L.S.	5.58	1.20	5	9	7.43
Rio Hoe	10.70	2.93	30	14	9.15
Rockfield	10.28	1.91	25	16	7.55
Runaway Bay	3.55	1.85	15	7	4.13
Rural Retreat	11.88	3.83	30	15	
St. Ann's Bay	3.58	.78	27	14	6.94
Stepney	7.70	2.01	9	8	
Thatchfield L. S.	7.13	2.56	15	12	
Unity Valley	12.99	2.91	30	16	9.64
Watt Town	10.00	2.23	19	11	7.29
Wilton	5.81	3.32	15	8	

STATIONS	October, 1947					STATIONS	October, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Days					Amount	Date		
ST. ANN, contd.	ins.	ins.			ins.	PORTLAND, contd.	ins.	ins.			ins.
						Moore Town	12.03	2.10	22	12	20.50
						Mt. Holstein	13.03	1.70	28	19	13.81
						Mt. Pleasant	8.31	2.80	23	7	
						Passley Gardens	10.90				16.57
						Plum Valley	10.50	4.30	26	10	
						Port Antonio	14.01	2.50	7	18	14.81
						Priestman's River	14.30	3.30	7	17	15.37
						Shrewsbury	10.54	2.13	26	18	12.51
						Spring Garden L.S.	4.14	1.50	25	9	8.50
						Titchfield School P.A.	N.A.				
						Windsor A. C.	2.75	.90	25	5	
ST. MARY						ST. THOMAS					
Agualta Vale	2.71	.60	26	12	7.05	Barrett's Gap	7.59	1.40	22	9	
Bundo L. S.	4.27	1.25	15	13		Bath	7.69	2.30	26	11	17.82
Castleton	10.64	2.75	11	9	15.59	Bowden Pen	19.00	2.30	25	19	
Dover, A. C.	2.75	.90	25	5	8.25	Cedar Valley	7.96	1.65	13	15	15.49
Enfield	6.88	2.60	26	12	13.69	Clifton Hill	6.17	1.03	15	14	
Fort Stewart	4.55	1.00	12	9		Coley	9.47	2.35	30	13	15.02
Fort Stewart L. S.	6.27	1.06	8	16		Duckenfield	10.65	2.87	27	15	
Gibraltar	2.21	.48	16	9		Easington	6.68	2.06	30	12	12.17
Golden Grove, East	1.43	.55	25	7		East Prospect	5.92	1.99	5	12	13.92
Golden Grove, West	1.65	.61	25			Golden Grove J. S. E	9.02	1.52	23	17	
Grays Inn Cen. Factly.	1.76	.47	25	12		Llandewey	5.83	1.80	11	7	
Guy's Hill	10.03	1.95	16	13	9.59	Lloyds	4.11	1.24	7	5	
Hampstead	4.62	1.20	12	11	8.91	Morant Bay	4.74	1.60	6	11	13.06
Iter Boreale	2.38	.44	12	9		Morant Pt. Lighthouse	6.09	2.05	24	18	11.71
Jacks River	5.50	2.50	15	14		Plantain Garden River	9.44	1.48	24	18	
Lady Hole	3.54	.75	25	10		Pleasant Hill	7.46	1.31	27	11	14.16
Lower Esher	0.00					Rowlandsfield L. S.	10.33	1.25	24	18	
Lucky Hill P.W.D.	7.48	1.60	31	13	9.05	Seaforth	9.23	2.30	30	15	
Lucky Hill Pen	6.72	1.94	31	10		Spanishwood	5.13	.87	15	18	
Newry	1.62	.36	25	9		Torre Garda	N.A.				
Nutfield A. C.	2.44	.75	1	10		Wheelerfield	11.25	2.45	27	17	
Oracabessa	5.16	2.87	16	6	11.01	Yallahs	3.09	1.27	6	5	13.41
Orange River	4.77	1.05	12	17							
Platfield	5.73	1.45	16	12							
Port Maria	1.93	.60	11	12	8.46						
Quebec	3.04	.80	27	7	10.09						
Retreat	6.10	1.60	15	12							
Richmond P.W.D.	3.54	1.13	12	12	8.45						
Warwick Castle L.S.	3.86	.70	21	11							
Water Valley	2.57	1.00	26	7	7.28						
Western St. Mary L.S.	6.82	2.05	31	12							
Windsor Castle	8.15	1.45	14	11	12.76						
PORTLAND						KINGSTON AND ST. ANDREW					
Balcarras	8.03	2.20	26	13	18.53	Bamboo Ave.	4.72	1.09	16	11	
Belle Vue	9.91	2.98	26	15		Brandon Hill	7.46	1.73	28	13	
Belvedere	6.36	2.00	25	16	8.45	Cavaliers	2.13	.90	14	12	
Boston	17.76	3.66	7	16	13.58	Clifton Pen	2.27	.66	18	10	7.39
Boundbrook L. S.	13.58	2.10	22	15		Constant Spring	8.84	1.86	16	16	
Bruton Hall, F.D.	14.82	2.50	26	18		Constant Spring Ch. Rd.	3.96	1.30	19	12	
Buff Bay	5.19	2.10	26	6	9.62	Dallas Castle	6.25	2.07	19	13	16.15
Bybrook	9.43	3.08	25	13		Fort George	5.32	2.10	24	14	
Caenwood A.C.	7.75	2.10	25	9		Golden Spring	11.75	2.30	19	21	
Cedar Hurst	11.04	1.81	19	20	19.16	Gordon Town	8.97	2.75	27	12	13.04
Chepstowe	10.31	2.54	23	9		Guava Ridge	6.07	1.80	13	11	17.13
Darley	9.54	3.02	7	11		Halfway Tree	0.82	.41	14	4	8.33
Ecclesdown L.S.	N.A.					Harbour Head	0.57	0.32	8	2	
Fellowship	16.85	3.00	22	14	17.13	Hardware Gap P.W.D.	22.56	3.90	31	19	16.12
Fruitful Vale	15.70	3.65	26	16		Hermitage	14.93	2.08	27	19	15.20
Hope Bay	9.82	2.00	22	10	14.02	Hill Gardens	13.41	2.55	13	20	16.37
Lennox	6.50	2.10	21	5	12.28	Hope Farm A.C. Stn.	2.84	.98	16	8	10.00
Manchioneal	11.96	3.12	25	11	17.35						
Mill Bank	13.91	3.57	25	21	28.86						

*and on other days. N.A. = Not available.

STATIONS	October, 1947					STATIONS	October, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
KINGSTON AND St. ANDREW, contd.	ins.	ins.			ins.	CLARENDON	ins.	ins.			ins.
Hope Laboratory	3.06	0.94	16	14	..	Amity Hall	3.68	1.87	8	12	..
Hope Water Works	3.30	1.29	16	13	..	Beauchamp	5.93	1.35	8	10	..
Irish Town	5.67	1.80	27	14	12.13	Belle Plain	12.23	3.19	30	12	15.19
Iver	6.25	1.62	24	19	..	Bog	4.06	1.65	8	9	..
King's House Gardens	2.48	.94	19	9	8.48	Brixton Hill	6.80	1.75	31	9	..
Lawrence Tavern	3.89	.83	17	8	12.18	Building	5.03	1.90	8	10	..
Mavis Bank	4.28	1.40	23	13	17.13	Bull Head	8.51	2.20	14	14	..
Mount Airy	20.05	3.14	12	18	..	Carlisle	8.96	3.51	27	14	..
Mount Cressy	18.26	1.83	23	24	..	Chapelton	8.12	1.07	13	14	12.21
Mount Salus	5.36	1.55	25	9	..	Colonel's Ridge	9.18	2.00	30	16	..
Newcastle	10.36	2.15	28	15	..	Cottage	4.81	1.85	31	10	10.55
Red Hills	3.14	.74	27	6	13.34	Cotton Tree Gully	7.33	2.84	15	11	..
Rose Hill	12.68	1.97	27	16	15.32	Croft's Hill	8.97	3.27	13	14	11.71
Sea View F.P.	8.55	1.85	24	18	..	Crooked River	7.66	.94	27	19	11.29
Shortwood College	5.40	1.43	19	15	..	DaCosta	4.31	2.07	8	7	..
Stony Hill	6.76	2.17	24	15	14.30	Exeter	4.97	1.74	8	10	7.08
Twickenham Park	1.48	.42	31	7	..	Frankfield	7.40	1.32	24	15	11.83
Up-Park Camp	0.77	.34	14	5	..	Gibbons	0.00	.00	..	..	..
						Glen Muir	4.90	1.50	27	5	10.93
						Grimmetts	6.09	1.62	8	9	..
KINGSTON						Hillside	7.56	2.77	31	12	10.05
Kingston P. W. O.	2.21	1.05	7	3	6.19	James Hill	4.82	1.50	13	9	..
Palisadoes	3.19	1.85	14	6	..	Kellits	11.10	3.09	30	16	..
Parade Gardens	1.56	.79	14	7	..	Knights	4.60	1.55	8	9	..
Plumb Pt. Lighthouse	1.70	.97	14	4	7.29	May Pen	2.92	1.00	9	10	10.20
St. Georges College	1.89	1.32	19	12	..	Milk River	6.95	1.90	27	12	8.64
Upper Kingston	3.20	2.12	14	9	7.43	Morelands	5.36	1.35	31	16	89.49
						Peckham L. S.	7.78	1.88	31	16	..
						Pennants	8.65	2.00	13	16	..
ST. CATHERINE						Pusey Hall	4.15	1.80	8	8	..
Above Rocks	7.68	1.25	8	12	..	Rock River	8.58	1.80	30	12	13.84
Bellas Gate	8.78	1.70	30	16	12.95	Salt Savannah	4.99	1.60	8	8	..
Bog Walk	6.34	2.00	30	8	11.48	Silent Hill	13.94	3.00	27	11	..
Brown's Hall	13.55	1.96	30	15	12.12	Spaldings	11.77	2.35	31	12	13.27
Carew Castle	3.15	1.15	28	12	12.37	Springfield	5.25	1.50	8	10	9.54
Ewarton	10.93	3.37	29	8	..	Suttons J. G. R.	10.07	1.93	30	13	13.87
Ginger Ridge	6.61	1.00	27	20	..	Suttons, W. I. S. C.	4.21	1.86	8	10	..
Glengoffe	5.06	1.48	28	10	..	Teak Pen L. S.	10.05	3.19	13	14	..
Grove Farm A. C.	2.64	2.16	26	4	..	Thompson Town	12.26	1.75	13	23	..
Guanaboa Vale	8.70	1.55	15	7	11.99	Trout Hall	8.38	3.00	27	19	12.30
Headworks	2.23	.53	19	7	9.35	Tweside	13.55	2.68	14	11	..
Hematine	0.78	.28	7	7	7.50						
Hog Hole	1.61	.35	27	9	9.34	MANCHESTER					
Knollis	5.61	1.28	15	8	11.41	Alligator Pond	5.28	.96	26	9	7.73
Linstead	5.70	1.48	15	9	9.67	Christiana	15.62	2.80	13	16	11.13
Old Harbour	4.15	2.62	27	9	9.94	Chudleigh	18.12	3.20	13	16	10.65
Pear Tree Grove	7.02	1.17	31	12	10.95	Cocoawalk L. S.	5.42	.94	26	10	..
Point Hill	12.69	3.39	30	17	14.91	Craig Head	13.11	2.23	31	11	..
Quarantine Station	1.71	.80	7	5	6.21	Garlogie	12.07	2.35	14	21	..
Rio Magno	9.57	2.10	23	12	10.40	Greenvale	12.63	2.10	13	19	10.98
Riversdale	2.34	.54	29	6	10.52	Grove Place	13.69	2.90	13	18	..
Sligoville	4.78	1.22	27	12	13.40	Holmwood	13.25	2.15	31	16	..
Spanish Town	.096	.33	7	7	8.57	Kendal	10.81	2.15	31	19	13.27
Troja Police Stn.	5.13	1.27	16	12	10.55	Mandeville	12.17	2.56	13	18	14.72
Troja L. S.	0.00	..	..	..	..	Mandeville, (Man. Hotel)	11.45	..	..	..	..
Tulloch	6.56	1.44	30	11	..	Mile Gully	14.01	3.00	13	18	..
Twickenham A. C.	1.69	.60	18	6	..	New Forest	5.66	1.51	24	13	..
Worthy Park	10.63	2.70	14	12	9.98	Newport	8.49	2.64	27	12	12.14
						Porus	5.74	.68	24	13	..
						Retriever	11.10	2.25	6	15	9.63
						Stone's Hope	8.41	1.40	27	21	12.37
						Williamsfield Rly.	11.46	2.38	31	16	13.16

*and on other days. N.A. = Not available.

STATIONS	October 1947					STATIONS	October 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
ST. ELIZABETH	ins.	ins.			ins.	WESTMORELAND, contd.	ins.	ins.			ins.
Aberdeen	9.35	1.70	31	17		Belle Isle	6.92	2.14	23	12	10.82
Accompong	13.17	1.45	7	22		Bethel Town	6.79	2.05	6	10	15.42
Appleton	11.92	1.81	18	21	13.59	Blue Castle	6.25	2.40	23	15	
Balaclava	13.70	2.03	18	14	12.46	Blue Fields	9.25	1.90	13	10	11.19
Black River	3.93	1.05	16	7	8.14	Cornwall	9.29	3.98	23	14	
Braes River	15.03	2.20	31	19		Darliston	15.95	2.60	22	19	15.48
Bull Savannah	5.53	1.41	24	10		Fontabelle	8.14	3.16	23	15	9.99
Fort Charles	1.20	1.20	15	1	5.70	Friendship	6.63	1.50	23	12	
Ginger Hill	9.77	2.51	14	14		Frome	9.71	3.10	23	14	
Holland Estate	11.85	2.20	15	19		Grange Hill	6.52	1.24	10	14	12.97
Hounslow	4.79	.68	7	12		Kew Park	7.48	1.50	6	15	12.27
Ipswich	9.26	2.83	28	15		Lamb's River	10.23	1.85	5	17	
Lacovia	10.19	2.15	30	11	10.98	Little London	9.36	3.45	31	12	11.12
Maggotty	13.36	2.26	15	25	13.88	Masemure	9.20	5.85	23	11	
Malvern	9.04	1.58	27	21		Meyersfield	8.16	2.05	23	13	
Mt. Charles	7.42	1.07	1	17		Midgham	7.90	3.07	23	13	
Mulgrave	14.46	2.00	31	21		Mint	7.19	2.32	31	18	
Munro	8.72	1.78	14	19	10.25	Mt. Eagle	8.05	3.40	31	14	
Myersville	4.01	1.00	12	7		Mt. Edgecombe	9.15	2.23	14	20	10.07
Pedro Plains	4.86	1.11	26	11	5.82	Negril Pt. Lighthouse	3.50	1.64	23	12	8.18
Quickstep	10.84	1.50	24	17		New Market	12.15	2.20	24	15	13.84
Santa Cruz	13.15	1.50	15	18	12.13	Paul Island	8.40	3.80	23	14	
Southfield	8.08	2.20	26	10		Petersfield	11.18	2.15	23	16	
Springfield	11.48	1.62	15	19		Petersville	8.82	1.86	19	12	11.41
Springvale	11.51	2.23	29	10		Prospect Park	5.50	2.35	6	10	
Torrington	7.66	1.72	31	16	10.12	Rat Trap	14.95	3.30	5	9	
Treasure Beach	N.A.					Retreat Estate	6.01	3.24	2.30		
Williamsfield	3.61	1.03	26	14		Retrieve	5.33	2.62	23	13	
Windsor	9.87	1.69	31	22	11.35	Sav.-la-Mar	3.94	.91	2	11	8.55
Yardley Chase	3.04	1.00	25	8		Sheffield	8.65	2.73	23	16	
						Shrewsbury	9.97	3.98	23	18	
WESTMORELAND						The Bog	13.53	2.79	5	17	14.10
Barham	4.63	1.50	16	6		Water Works Farm	10.27	3.30	23	6	11.85
Bath Pen	N.A.					Welch Pole	14.18	2.90	31	18	
Baulk	6.73	2.45	6	9		Whithorn	10.70	5.20	23	6	12.99
						Williamsfield	7.33	1.25	6	13	

*And on other days. N.A. = Not available.

NOTE:—Daily readings from selected Stations are published in the Press in the first available issue.

RAINGAUGE STATION NOTES

Great difficulty continues to be experienced in the collection of certain rainfall reports in reasonable time. Some stations are now being ignored as being too timewasting.

A new station starting this month is Tweedside in Clarendon.

THE ISLAND RAINFALL

As outlined in the January, 1946 issue of the Jamaica Monthly Weather Report the mean rainfall for each parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the rain-gauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell. The total rainfall for the first 10 months of 1947 is also compared with the averages.

COMPARATIVE TABLE OF RAINFALL MEANS—OCTOBER, 1947

Parish	RAINFALL FOR OCTOBER			RAINFALL, JAN.—OCT.	
	Actual Inches	20-Year Average *Inches	Raindays No.	Actual Inches	Average †Inches
Hanover	6.50	10.51	12.4	68.58	72.16
St. James	9.49	9.00	14.0	58.91	54.68
Trelawny	8.28	9.16	12.7	48.58	53.61
St. Ann	7.65	8.26	11.7	39.93	48.98
St. Mary	5.06	9.93	10.8	38.86	60.90
Portland	11.03	15.64	13.1	81.43	104.92
St. Thomas	7.91	15.85	12.9	60.97	69.12
Kingston and St. Andrew	6.55	12.29	12.0	44.86	55.12
*Kingston	2.29	6.76	6.8	24.40	27.08
St. Catherine	6.36	10.66	9.9	43.94	54.41
Clarendon	8.07	12.23	12.9	43.83	57.12
Manchester	10.50	13.05	14.9	50.04	64.58
St. Elizabeth	8.71	11.63	14.7	63.58	61.93
Westmoreland	6.49	13.67	11.7	74.56	80.65
The Island	7.99	11.33 "70-Year†" 10.89	12.7 "45-Year" 14.5	55.38	61.84 "70-Year" 62.50

NOTES—*The Monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices, and include the City of Kingston, the main part of the harbour, and the Airport.

†The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "The Rainfall of Jamaica to 1939—70-year Period", the Island means now being calculated as the average of the four "Divisions" into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means, but they are considered sufficiently so for practical comparison purposes.

THE OCTOBER RAINFALL

The month's rainfall averaged over the whole Island was about 28% below normal, making the year's rain so far deficient by 11%, about 7 inches. The distribution was rather uneven as compared with the Parish averages. It will be seen that while St. James has a slight excess, every other Parish showed less than normal, St. Mary being lowest with just over 5 inches. St. Thomas which normally leads the Island in wet October, had only half its usual amount as, similarly, St. Andrew.

The Month's greatest fall occurred at Hardware Gap which recorded 22.56 inches. Mt. Airy also in St. Andrew had 20.05 inches and Vaughansfield, St. James 20.65 inches. Eleven other stations reported over 15 inches. The highest daily fall was experienced at Vaughansfield, where 6.30 inches fell on the 29th. Masemure and Whithorn both in Westmoreland, had over 5 inches on the 23rd, although Westmoreland as a whole had less than half the normal rainfall.

Returns of no rain at all were received from Gibbons in Clarendon and Troja Land Settlement in St. Catherine.

SUNSHINE-OCTOBER

The following table shows the duration of sunshine at the four stations where Campbell-Stokes recorders are in operation. The figures for each hourly period are the averages over the month.

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6-7 a.m.	.04	.31	.07	.38
7-8 "	.74	.79	.77	.80
8-9 "	.87	.87	.89	.89
9-10 "	.90	.92	.91	.90
10-11 "	.93	.84	.88	.94
11-12 noon	.90	.83	.88	.91
12-1 p.m.	.86	.82	.73	.97
1-2 "	.70	.73	.57	.86
2-3 "	.51	.64	.50	.79
3-4 "	.22	.56	.47	.73
4-5 "	.13	.35	.30	.46
5-6 "	.03	.01	.08	.10
Total	6.83	7.77	7.05	8.73
Percentage	58%	67%	60%	75%
No. of days over 10 hours	0	2	1	5
Cloudiest day	26th (2.2 hrs)	7th (4.5 hrs.)	8th (2.9 hrs.)	7th (5.1 hrs.)

The main peculiarity this month was the almost unbroken sunshine at Palisadoes between 10 am and 1 p.m.

EVAPORATION

Hope Laboratory	..	..	..	3.81 inches
Negril Point Lighthouse	5.03 inches

EARTHQUAKES

Date	Time	Intensity	Where felt, etc.
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No reports of any earth tremors received for this month.

TROPICAL DISTURBANCES

Local lowering of pressure on the 15th in the Northern Bahamas in an East-West belt of bad weather led to the formation of a small storm there on the 6th. This acquired circulation and moved north, turning N.W. to enter the United States north of Florida. It then turned S.W. to reach the Gulf coast on the 8th, and degenerated. Meanwhile a similar formation appeared in the S.W. Caribbean and moved off in a N.W. direction. A preliminary warning was sent by the Air Ministry Meteorological Office, Palisadoes, to Belize on the 9th and shipping warned. Later in the night the rather scanty indications suggested a movement more to N.N.W. or N., and early on the 10th the Cayman Islands were warned of the development. As the circulation of the storm intensified it did actually move as anticipated giving a southerly gale in the Caymans as it passed a considerable distance away. Continuing its northward movement it crossed over the extreme west of Cuba about 60-70 miles west of Havana with winds up to 60 m.p.h. On the 11th the storm gained hurricane force and struck Florida at its southwest point late on the 12th. It then curved to the N.E. passing between Miami and West Palm Beach into the Atlantic and subsequently affected the S.E. States though with weakened force. Its track crossed that of the disastrous September hurricane over south Florida. Simultaneously with the later progress of this disturbance, suspicious signs appeared on the 15th off the Windward Islands, and by early on the 10th the beginnings of a new disturbance were seen. Later in the day a centre was distinguishable about 250 miles east of Puerto Rico. As the movement was expected to be W.N.W. shipping only was warned in this area, but a preliminary warning was cabled from Palisadoes to Turks Island. Subsequently the centre passed sufficiently distant (100 miles or so) to the north of Turks only to give gales. On the 18th, the storm had intensified into a full hurricane and turned more to N.W. lessening the danger to the Bahamas. Turning still further to North it later passed close to Bahamas and caused extensive damage.

For the remainder of the month conditions were most unsettled and incipiently dangerous in the Caribbean but the only development was in the open Atlantic far to East, and moved away in a N.E. direction. Throughout this month of danger, the Public and all other interests in Jamaica and its Dependencies were kept fully informed of all development and anticipated movements of the various disturbances.

CITY OF KINGSTON

By the Maxwell-Hall formula the mean temperature for the month was 80.8° F. This is higher than the long term average of 79.4° F. This was due to high day temperatures, the night minimum temperature actually being slightly below average. Rainfall was much less than normal the cloud cover, as measured at Palisadoes being small. The unbroken sunshine at the Airport between midday and 1 p.m. is of interest in this normally wet month. The city gauges averaged 7 raindays and it is to be noted how the number of raindays increases from Kingston Bay area northwards the gauge at Winchester Park, although the total area covered is quite small. Apart from actual days of rain, Palisadoes observed rain falling in the vicinity on about 10 other days. A slight thunder storm occurred on the 31st while thunder was heard nearby on 9 days. Lightning was observed on another 16 nights. Several examples of solar halos and lunar coronas were noted.

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LATE REPORTS

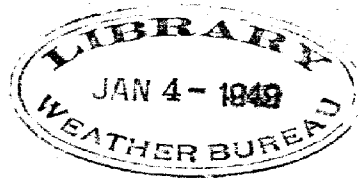
The following rainfall figures may be added to previous issues.

January 1947—Spring Garden, Portland	..	..	8.96	1.78	5	16
February 1947—Spring Garden, Portland	..	..	4.73	1.10	5	11
February 1947—Troja Land Settlement, St. Catherine	..	..	0.90	0.90	10	1
March 1947—Spring Garden, Portland	..	..	3.06	1.40	3	6
April 1947—Spring Garden, Portland	..	..	0.54	0.50	2	6
May 1947—Montego Bay, St. James	..	..	6.02	1.52	20	7
May 1947—Spring Garden, Portland	..	..	3.47	2.20	12	4
June 1947—Montego Bay, St. James	..	..	5.56	1.15	6	13
June 1947—Spring Garden, Portland	..	..	1.18	0.61	7	4
July 1947—Spring Garden, Portland	..	..	10.62	3.75	5	10

CORRECTION

The Palisadoes barometer pressures for August 1947 should be amended to read 29.938 and 29.990.

No. 856



JAMAICA

WEATHER REPORT

FOR THE MONTH OF
NOVEMBER, 1947

MONTHLY CLIMATOLOGICAL MEANS

Notes:—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e., 32° F., gravity at Latitude 45° F. and Mean Sea Level.

The thermometers are exposed in shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Alto cumulus at middle levels, i.e., 2-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations only making two readings a day do so at 7 a.m. and 3 p.m. Palisadoes averages are for 4 a.m. 10 a.m. and 4 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures				Daily Sunshine	
		7 a.m.	1 p.m.	7 a.m.	1 p.m.	7 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date		Range
		ft.	in.	in.	°F	°F	°F	°F	°F	°F	°F		°F		°F	hrs.
Castleton Gardens.	496	..	..	67.8	83.2	..	85.2	65.3	19.9	86.8	26	63.4	30*	23.4	..
Grove Place A.C.	..	..	..	67.0	79.6	..	84.0	63.0	21.0	87.0	8	57.8	30	29.2	8.3
Hill Gardens	4,900	..	..	60.6	67.3	..	71.5	58.1	13.4	76.0	5	55.5	28*	20.5	..
Hope Laboratory	668	..	..	70.9	86.2	..	90.1	68.3	21.8	93.8	4	64.3	13	29.5	8.0
Kingston	..	29.909	29.848	73.6	87.7	..	90.1	73.3	16.8	93.1	19*	71.0	11	22.1	..
Lorriners	..	..	..	67.9	..	..	79.8	63.7	16.1	84.0	8	59.0	11	25.0	..
Morant Pt. Light H.	8	29.918	29.894	80.4	84.8	81.4	86.4	77.2	9.2	89.0	8	69.0	29	20.0	..
Negril Pt. Light H.	33	29.906	29.893	75.3	88.1	80.6	89.2	71.4	17.8	93.0	14*	68.0	20*	25.0	..
Orange River Exp. St.	450	..	..	70.7	82.9	..	87.6	67.2	20.4	90.5	27	62.4	19*	28.1	8.3
Palisadoes Airport	19	29.887	29.957	77.8	87.0	85.6	88.6	76.6	12.0	92.0	18	73.0	26	19.0	9.4

STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower (L) and Total (T)					
	7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	66	93	80	91	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grove Place A.C.	65	95	69	79	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hill Gardens	57	87	63	88	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hope Laboratory	69	91	73	66	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kingston	70	94	74	63	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lorriners	68	96	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Morant Pt. Light H.	75	85	78	79	77	85	E	8	E	8	E	11	4.6	6.0	4.5	5.3	2.7	2.9
Negril Pt. Light H.	71	87	74	60	73	77	E	4	S	6	NE	5	1.3	5.3	3.7	5.2	3.6	3.9
Orange River Ex. St.	69	95	71	69	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palisadoes Airport	73	84	75	67	76	72	N	3	SE	5	SE	11	0.2	0.7	0.5	4.2	1.8	5.0

*And on other days

Notes:—Daily readings from selected stations are published in the press in the first available issue.

RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their rain-gauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

Rainfall is measured at 7 a.m. and recorded, by convention, as having fallen on the previous day.

STATIONS	November, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
HANOVER	Ins.	Ins.			Ins.
Askenish	1.54	.37	1	6	6.79
Blenheim	1.13	0.66	24	4	..
Blue Hole	1.26	.54	24	5	8.86
Cascade	1.60	.66	24	10	..
Copse	N.A.	..	..	..	5.17
Cousins Cove	1.70	1.03	24	11	7.10
Green Island	0.83	.42	25	5	5.35
Green River	2.04	1.10	25	4	..
Haughton Court A.C.	1.80	.85	24	3	4.72
Haughton Grove	4.81	2.93	25	4	5.34
Haughton Hall	1.86	.44	1	8	4.56
Hopewell	2.50	1.48	24	7	..
Kendal	0.61	.23	25	3	..
Kingsvale	3.54	.76	3	10	4.86
Knockalva	3.97	1.95	24	5	..
Lucea	1.38	1.03	24	3	6.14
Retirement	0.70	.40	1	2	..
Santoy L.S.	4.09	2.00	28	7	..
Shettlewood	4.41	2.05	25	4	..
ST. JAMES					
Adelphi	2.17	0.84	25	4	..
Anchovy	2.93	1.71	24	6	3.76
Cambridge	3.63	2.40	25	3	5.86
Catadupa	4.53	2.75	25	6	7.77
Cinnamon Hill	1.21	.70	29	4	6.12
Cornwall Works	1.70	.71	29	5	..
Friendship	1.91	1.00	25	5	8.64
Irwin A.C.	2.52	1.00	25	5	5.32
Kempshot	1.65	0.95	25	7	7.30
Lapland	3.71	1.54	25	8	..
Latium L.S.	2.90	1.56	25	7	7.72
Maldon School	1.84	.99	25	2	..
Mochó	N.A.	..	..	..	10.55
Montego Bay	1.82	.90	24	7	5.94
Montpelier	1.73	.84	24	5	5.08
Retirement	1.77	.74	25	5	8.27
Richmond Hill	1.85	.70	25	5	..
Rose Hall	1.24	.75	29	4	6.20
Running Gut	1.65	.50	2	4	5.67
Spring Estate	1.75	.64	29	5	5.74
Success	1.39	1.00	29	3	5.74
Sweetwater	2.70	1.42	25	4	..

*And on other days

N.A. = Not available.

STATIONS	November, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
ST. JAMES, contd.	Ins.	Ins.			Ins.
Tryall	1.61	.50	29	5	5.30
Vaughansfield	1.96	1.27	27	2	
Windsor Lodge L.S.	1.90	1.08	25	5	
TRELAWNY					
Albert Town	2.24	1.73	25	4	8.11
Arcadia	1.10	.55	23	3	8.16
Clarks Town	0.98	.50	24	2	10.61
Deeside	0.80	.70	24	2	
Duncans	1.96	.94	23	5	8.09
Falmouth	1.10	.50	2	4	5.35
Garredu L.S.	1.25	.50	12	4	
Harmony Hall	1.64	1.03	23	6	6.15
Hyde and Gibraltar	1.48	1.26	1	3	
Litchfield	3.51	1.46	6	5	
Lorrimers	2.63	1.32	8	6	
Reserve Pen L.S.	N.A.				
Stewart Town	0.24	.10	23*	3	
Troy	3.65	1.40	25	4	7.41
Troy L.S.	3.55	1.42	6	4	
Ulster Spring	0.90	0.67	8	2	7.67
Unity L.S.	N.A.				
Vale Royal	1.11	.54	23	3	8.14
Wait-a-bit	5.37	1.72	6	5	
Wakefield	0.80	.70	24	2	8.40
Warsop	2.44	1.94	25	3	9.62
ST. ANN					
Alexandria	0.85	.75	25	2	6.41
Armadale	0.71	.71	25	1	
Averham Park	6.09	4.50	25	10	13.64
Bel-Air	0.55	.20	16	4	10.56
Beverly	0.63	.25	24	4	
Borobridge	0.81	.49	8	2	
Brown's Town	1.31	.69	25	6	11.72
Cave Valley	0.34	.22	24	3	5.29
Claremont	1.62	.86	27	5	12.17
Cuffie Ridge	0.81	.49	8	2	
Eltham	0.85	.63	1	2	
Exchange	0.26	.26	3	1	
Greenock	0.34	.20	21	2	
Home Castle	0.70	.70	26	1	9.13
Knapdale	1.67	1.14	25	4	15.69
Liberty Hill	0.14	.05	7	5	9.92
Moneague	1.15	.53	24	4	11.68
New Ground A.C.	N.A.				
Ocho Rios	0.94	.35	16	4	9.91
Richmond Estate	0.58	.21	23	3	9.23
Richmond Pen L.S.	0.95	.34	24	5	5.96
Rio Hoe	1.73	.85	25	8	11.04
Rockfield	3.20	1.60	25	10	14.86
Runaway Bay	.00			0	5.18
Rural Retreat	2.33	1.65	25	2	
St. Ann's Bay	0.62	.46	3	4	9.80
Stepney	0.36	.13	22	3	
Thatchfield L.S.	2.41	1.20	25	3	
Unity Valley	1.83	.94	28	8	10.85
Watt Town	0.75	0.50	25	2	5.57
Wilton	1.23	.73	14	5	

November, 1947						November, 1947					
STATIONS	Total Fall	Greatest fall in 24 hours		Rain Days	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
ST. MARY	Ins.	Ins.			Ins.	PORTLAND, contd.	Ins.	Ins.			Ins.
Agualta Vale	0.37	22	13	2	12.85	Plum Valley (ceased)	1.11	0.57	14	4	
Bundo L.S.	1.03	71	3	4		Port Antonio	3.52	1.12	24	8	17.85
Castleton Gardens	0.50	50	6	1	8.60	Priestman's River	2.90	1.55	23	5	14.83
Dover A.C.	0.72	72	13	1	17.09	Shrewsbury	3.61	.99	13	8	29.72
Enfield	1.41	40	23	5	27.01	Spring Garden	0.63	.26	23	4	16.75
Fort Stewart	0.45	22	23	3		Titchfield School P.A.	N.A.				
Fort Stewart L.S.	1.44	49	12	5		Windsor A.C.	4.85	1.50	24	5	
Gibraltar	1.33	50	2	4							
Golden Grove East	0.40	25	14	2		ST. THOMAS					
Golden Grove West	0.40	20	14*	2		Barrett's Gap	6.04	2.60	14	4	
Gray's Inn Cen. Fact.	0.92	40	29	5		Bath	3.49	1.59	24	4	15.26
Guy's Hill	1.29	50	24	6	13.39	Bowden Pen	6.58	1.54	15	8	
Hampstead	0.70	20	14*	5	16.22	Cedar Valley	3.35	.90	8	7	12.96
Iter Boreale	1.20	72	29	4		Clifton Hill	2.65	.83	24	8	
Jack's River	0.85	40	14	4		Coley	1.36	1.00	24	2	9.69
Lady Hole	1.17	50	2	4		Duckenfield	2.85	1.20	14	7	
Lower Esher	.52	20	16*	3		Easington	1.42	.95	25	3	6.08
Lucky Hill	0.47	23	23	3	15.14	East Prospect	2.93	1.05	24	8	10.23
Lucky Hill Pen	0.93	45	23	3		Golden Grove J.S.E.	2.43	0.90	14	7	
Newry	0.92	34	29	7		Llandewey	1.42	.95	25	3	
Nutfield A.C.	0.00			0		Lloyds	0.52	.52	26	1	
Oracabessa	0.54	44	3	2	13.99	Morant Bay	2.74	2.08	24	3	7.75
Orange River	0.51	20	23	6		Morant Point Light H.	2.08	1.50	14	4	8.41
Platfield	0.14	14	19	1		Plantain Garden River	4.55	1.09	14	11	10.69
Port Maria	0.58	26	22	3	11.39	Pleasant Hill	3.20	1.00	16	7	
Quebec	1.33	1.10	21	2	10.99	Rowlandsfield L.S.	4.73	1.82	15	9	
Retreat	0.50	27	23	4		Seaforth	1.92	1.40	24	3	
Richmond P.W.D.	0.19	.09	25	3	12.45	Spanishwood	1.93	1.20	14	7	
Warwick L.C.	0.65	33	24	3		Torre Garda	N.A.				
Water Valley	0.28	28	23	1	11.35	Wheelerfield	4.64	1.43	14	11	
Western St. Mary	0.33	18	13	2		Yallahs	0.46	.38	24	2	7.48
Windsor Castle	0.46	30	25	2	17.30						
PORTLAND						KINGSTON AND ST. ANDREW					
Balcarras	2.09	1.00	22	6	42.43	Bamboo Avenue	3.01	.90	30	8	
Belle Vue	2.14	.90	23	5		Brandon Hill	0.00			0	
Belvedere	1.28	37	14	9	18.75	Cavaliers	2.60	1.45	30	4	
Boston	N.A.				12.50	Clifton Pen	0.46	.26	9	4	5.46
Boundbrook L.S.	3.23	.90	24	10		Constant Spring	3.81	2.24	8	8	
Bruton Hall	5.98	2.00	1	10		Constant Spring Ch. Rd.	1.86	.73	8	9	
Buff Bay	0.90	.50	13	3	16.52	Dallas Castle	0.61	.42	25	5	10.66
Bybrook	2.99	1.09	13	7		Fort George	N.A.				
Caenwood A.C.	1.15	.30	16	6		Golden Spring	2.40	.80	25*	8	
Cedar Hurst	1.24	.51	28	8	29.36	Gordon Town	3.50	1.60	9	5	9.89
Chepstowe	2.98	0.85	21	6		Guava Ridge	1.06	.50	6*	3	14.23
Darley	2.26	.96	16	11		Halfway Tree	1.56	1.20	15	5	4.61
Ecclesdown L.S.	N.A.					Harbour Head	0.30	.30	26	1	
Fellowship	5.47	1.90	24	13	26.70	Hardware Gap P.W.D.	1.34	0.69	28	4	19.39
Fruitful Vale	3.79	1.50	22	5		Hermitage	1.88	.78	8	7	12.45
Hope Bay	1.79	.74	16	5	24.38	Hill Gardens	1.37	.57	28	11	16.37
Lennox	1.14	.84	27	2	22.34	Hope Farm Ag. Stn.	2.28	.80	7	6	6.27
Manchioneal	2.30	1.12	24	4	15.47	Hope Laboratory	1.95	.50	14	8	
Mill Bank	6.12	1.47	22	11	47.98	Hope Waterworks	2.18	.55	7	8	
Moore Town	4.68	1.18	17	11	35.81	Irish Town	1.77	.65	25	4	10.50
Mt. Holstein	0.90	.31	21	4	31.81	Iver	3.11	1.76	8	11	
Mt. Pleasant	3.50	1.60	14	4		Kings House Gardens	2.84	1.25	30	7	5.17
Passley Garden	0.80				20.79	Lawrence Tavern	1.04	.87	25	2	10.04

And on other days N.A.= Not available.

November, 1947						November, 1947					
STATIONS	Total Fall	Greatest fall in 24 hours		Rain Days	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
KINGSTON AND ST. ANDREW, contd.						CLARENDON, contd.					
Mavis Bank	1.14	0.50	24	4	14.23	Bog	1.60	.85	6	4	
Mount Airy	1.13	.58	19	3		Brixton Hill	1.97	.97	9	3	
Mount Cressy	2.29	.70	25	13		Building	2.30	1.60	24	3	
Mount Salus	3.77	1.20	5*	6		Bull Head	4.05	1.45	28	6	
Newcastle	2.93	2.15	1	9		Carlisle	1.30	.79	23	7	
Red Hills	2.20	.76	5	7	9.17	Chapelton	3.82	1.52	5	6	5.22
Rose Hill	0.95	0.23	28	6	14.93	Colonel's Ridge	2.87	1.40	28	8	
Seaview F.P.	2.44	.61	5	9		Cottage	3.37	1.20	6	6	6.88
Shortwood College	2.25	.94	8	10		Cotton Tree Gully	0.68	.40	24	3	
Stony Hill	2.11	1.17	25	6	8.61	Croft's Hill	1.08	.52	30	3	7.10
Twickenham Park	0.64	.42	6	4		Crooked River	N.A.				5.65
Up Park Camp	2.30	.87	25	5		DaCosta	3.61	2.69	24	4	
KINGSTON						Douce Pennants					
Kingston P.W.O.	0.31	.31	25	1	2.57	Exeter	2.17	1.85	24	3	4.38
Palisadoes	0.75	.75	25	1		Frankfield	2.16	1.43	8	5	6.00
Parade Gardens	0.67	.46	25	3		Gibbons	0.95	0.42	6	3	
Plumb Pt. Lighthouse	0.00	.00		0	2.90	Glen Muir	0.65	.50	25	2	6.85
St. George's College	2.17	1.15	30	6		Grimmetts	1.52	1.25	24	5	
Upper Kingston	2.13	1.14	30	4	4.42	Hillside	3.36	.96	6	5	3.71
ST. CATHERINE						James Hill					
Above Rocks	0.68	.44	8	4		Kellits	1.66	.77	8	5	
Bellas Gate	4.72	1.27	3	5	4.88	Knights	2.96				
Bog Walk	0.85	.85	8	1	5.88	May Pen	1.98	.62	25	7	5.02
Brown's Hall	2.07	1.47	25	3	10.45	Milk River	1.82	1.20	24	3	5.17
Carew Castle	0.54	.24	25	5	10.54	Morelands	3.52	1.14	24	5	6.76
Ewarton	0.66	.37	15	2		Peckham L.S.	2.81	1.71	30	6	
Ginger Ridge	3.56	1.75	25	7		Pennants	4.16	1.15	5	7	
Glengoffe	0.07	.07	16	1		Pusey Hall	3.55	2.80	24	4	
Grove Farm A.C.	2.82	1.95	23	6		Rock River	2.59	.87	5	6	7.37
Guanaboa Vale	3.28	1.85	25	3	6.33	Salt Savannah	2.82	1.97	24	5	
Headworks	1.11	.65	25	4	5.43	Silent Hill	0.72	.52	25	2	
Hematine	1.46	0.42	6*	5	4.87	Spaldings	0.35	.35	14	1	7.75
Hog Hole	2.63	1.38	9	7	5.30	Springfield	2.65	1.40	24	5	3.27
Knollis	1.34	.57	3	4	8.11	Suttons J.G.R.	0.99	.25	27	6	6.84
Linstead	1.62	.76	1	3	6.68	Suttons W.I.S.C.	1.84	1.24	24	3	
Old Harbour	1.72	.75	28	6	5.17	Teak Pen	1.78	.30	2	9	
Pear Tree Grove	1.50	1.00	25	4	13.04	Thompson Town	5.85	2.06	28	10	
Point Hill	2.15	1.50	25	3	9.99	Trout Hall	N.A.				8.17
Quarantine Station	.22	.14	26	2	3.71	Tweedside	0.54	.14	5*	4	
Rio Magno	1.56	.84	25	3	10.53	MANCHESTER					
Riversdale	0.33	.33	25	1	9.88	Alligator Pond	2.19	1.07	8	3	3.82
Sligoville	1.09	.69	5	6	9.31	Christiana	1.41	.75	28	6	6.72
Spanish Town	1.88	.82	9	4	4.29	Chudleigh	1.95	.60	28	4	7.10
Troja Police Station	0.74	.50	24	3	12.81	Cocoaalk L.S.	1.96	1.25	24	3	
Troja L.S.	1.52	.85	25	3		Craig Head	2.38	1.90	28	2	
Tulloch	1.10	.55	5	3		Garlogie	6.80	2.30	8	10	
Twickenham Park A.C.	0.61	.56	6	2		Greenvale	2.41	1.35	14	6	8.11
Worthy Park	1.19	.92	25	2	5.44	Grove Place	1.55	.77	14	4	
CLARENDON						Holmwood	1.42	.40	14	5	
Amity Hall	2.67	1.82	24	6		Kendal	2.08	1.40	14	4	6.44
Beauchamp	2.70	1.55	24	3		Mandeville	4.08	1.95	29	8	7.41
Belle Plain	3.30	1.36	1	7	8.93	Mandeville (Manch. Hot)	5.08				
						Mile Gully	2.65	1.80	14	2	
						New Forest	2.75	.94	8	6	
						Newport	1.85	.90	30	4	6.00
						Porus	3.67	.86	6	9	
						Retrieve	N.A.				4.05
						Stones Hope	4.63	2.93	25	7	6.00
						Williamsfield Rly.	4.07	1.65	14	9	8.19

*And on other days

N.A. = Not available

STATIONS	November, 1947					STATIONS	November, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
ST. ELIZABETH	ins.	ins.			ins.	WESTMORELAND, contd.	ins.	ins.			ins.
Aberdeen	2.00	1.24	25	6		Belle Isle	4.14	1.19	30	7	4.51
Accompong	5.97	1.20	27	10		Bethel Town	3.20	1.30	8*	4	7.56
Appleton	3.86	2.53	25	10	6.58	Blue Castle	1.70	.62	6	6	
Balaclava	4.87	2.98	25	6	5.97	Blue Fields	2.20	.80	21	6	6.59
Bartons	N.A.					Cornwall	0.72	.42	30	4	
Black River	3.77	1.10	25	7	4.37	Darliston	2.08	1.05	25	6	7.55
Braes River	3.58	1.80	14	5		Fontabelle	3.13	.82	30	8	3.49
Bull Savannah	1.58	.66	9	4		Friendship	1.51	.38	25	6	
Fort Charles	2.83	1.00	25	3	3.97	Frome	3.53	1.18	6	9	
Ginger Hill	3.12	2.04	25	3		Grange Hill	1.57	.28	20	9	5.74
Goshen	N.A.					Kew Park	3.11	1.07	25	6	5.78
Holland Estate	1.95	1.10	25	5		Lamb's River	3.52	1.78	30	7	
Hounslow	3.30	1.10	6	5		Little London	1.88	.83	24	4	4.58
Ipswich	3.27	1.66	25	4		Masemure	2.80	1.47	25	7	
Lacovia	2.96	1.20	25	5	5.21	Meyersfield	1.86	1.20	30	5	
Maggotty	2.84	.68	6	9	6.91	Midgham	4.04	1.58	5	7	
Malvern	3.39	1.38	6	7		Mint	2.24	.90	25	10	
Mt. Charles	2.31	.91	25	7		Mt. Eagle	1.87	.70	25	8	
Mulgrave	3.85	2.10	24	5		Mt. Edgcombe	1.14	.42	21	8	5.11
Munro	1.34	.38	24	9	5.67	Negril Pt. Lighthouse	0.45	.13	3	9	3.90
Myersville	2.55	.40	26	10		New Market	2.88	0.95	25	5	6.91
Pedro Plains	4.65	2.20	25	7	4.21	Paul Island	3.30	1.52	30	8	
Quickstep	3.73	.85	20	8		Petersfield	0.89	.35	24	3	
Santa Cruz	3.42	1.25	14	8	6.18	Petersville	2.06	.90	21	5	6.42
Southfield	3.36	2.50	1	4		Prospect Park	3.73	1.14	25	8	
Springfield	5.08	2.91	26	5		Rat Trap	4.21	2.16	23	4	
Springvale	N.A.					Retreat Estate	1.27	.34	1	5	4.61
Torrington	1.13	.50	24	4	6.67	Retrieve	2.31	1.08	25	5	
Treasure Beach	N.A.					Sav.-la-Mar	0.10	.10	3	1	3.89
Williamsfield	7.28	3.24	25	9		Sheffield	5.10	2.14	3	10	
Windsor	3.36	0.79	6	9	7.76	Shrewsbury	1.39	.77	30	6	
Yardley Chase	N.A.					Spring Gardens L.S.	N.A.				
WESTMORELAND						The Bog	2.05	.72	25	5	6.47
Barham	1.36	.71	6	4		Water Works Farm	0.50	.50	27	1	5.06
Bath L.S.	N.A.					Welch Pole	2.39	1.50	24	6	
Baulk	4.08	1.90	5	7		Whithorn	0.98	.70	28	2	5.66
						Williamsfield	3.11	1.30	6	7	

*And on other days. N.A. = Not available.

NOTE:—Daily readings from selected Stations are published in the Press in the first available issue.

RAINGAUGE STATION NOTES

A number of stations have broken rain measures which it is difficult to replace. Their readings are in abeyance. Other stations, in particular some supervised by the Lands Department, have no responsible person to make returns. There still remains a proportion of stations whose figures have not been received, who have repeatedly been reminded of the default and who are still silent.

THE ISLAND RAINFALL

As outlined in the January, 1946 issue of the Jamaica Monthly Weather Report the mean rainfall for each parish and for the Island is now calculated on a different method from that used prior to 1945. Raingauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the rain-gauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell. The total rainfall for the first 11 months of 1947 is also compared with the averages.

COMPARATIVE TABLE OF RAINFALL MEANS—NOVEMBER, 1947

Parish	RAINFALL FOR NOVEMBER			RAINFALL, JAN.-NOV.	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	2.51	6.41	5.9	71.09	78.57
St. James	2.37	7.34	4.9	61.28	62.02
Trelawny	2.01	7.68	4.4	50.59	61.29
St. Ann	1.22	9.48	4.1	41.15	58.46
St. Mary	0.62	13.93	3.2	39.48	74.83
Portland	2.99	24.77	7.2	84.42	129.69
St. Thomas	3.04	9.48	5.3	64.01	78.60
Kingston and St. Andrew	1.53	9.98	5.4	46.39	65.50
*Kingston	1.01	3.80	2.5	25.41	30.88
St. Catherine	1.69	6.98	3.8	45.63	61.39
Clarendon	2.67	5.50	5.3	46.50	62.62
Manchester	2.87	6.30	5.1	52.91	70.88
St. Elizabeth	3.14	5.85	6.7	66.72	67.78
Westmoreland	2.19	5.39	5.8	76.75	86.04
The Island	2.17	8.78 "70-Year"† 9.31	5.2 "45-Year" 11.9	57.55	70.62 "70-Year" 71.81

Notes—*The Monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices, and include the City of Kingston, the main part of the harbour, and the Airport.

†The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "The Rainfall of Jamaica to 1939—70-year Period", the Island means now being calculated as the average of the four "Divisions" into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means, but they are considered sufficiently so for practical comparison purposes.

THE NOVEMBER RAINFALL

This month was notable for its drought. The figure for the Island of 2.17 inches is lower than any previous average for November since the beginning of Jamaica Rainfall Records, the previous lowest being 2.21 in the November of 1880. Some of the figures as compared with average are startling, especially in the North East, where St. Mary had less than 5% of her normal fall and Portland below 15%. Overall rain deficiency was about 75%. Record low Parish rainfall was established for all the northern Parishes except Hanover, which had 1.39 inches in 1938. St. Andrew and St. Catherine on the south side also created record low falls since Parish rainfall was first computed, in 1925. The cumulative effect over the year brings St. Mary to the foot of the Parish table.

The month's greatest fall was experienced at Williamsfield in St. Elizabeth, with 7.28 inches, with Garlogie, Manchester, close with 6.80 inches. Thirteen other stations had over five inches of rain. The highest daily fall was recorded at Averham Park in St. Ann, where 4.50 inches fell on the 25th.

A return of no rain at all was made by Runaway Bay.

SUNSHINE

The following table shows the duration of sunshine at the four stations where Campbell-Stokes recorders are in operations. The figures for each hourly period are the averages over the month.

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6-7 a.m.	.03	.13	.07	.25
7-8 "	.85	.94	.68	.93
8-9 "	.96	.99	.90	.98
9-10 "	.94	.94	.93	.95
10-11 "	.91	.89	.92	.95
11-12 noon	.87	.86	.92	.92
12-1 p.m.	.92	.81	.90	.90
1-2 "	.87	.85	.91	.92
2-3 "	.77	.75	.82	.89
3-4 "	.64	.63	.69	.81
4-5 "	.47	.24	.54	.71
5-6 "	.08	.00	.07	.21
Total	8.31	8.03	8.35	9.42
Percentage	74%	71%	74%	83%
No. of days over 10 hours	4	1	4	17
Cloudiest day	3rd (0.2 hrs.)	24th (2.0 hrs.)	24th (2.1 hrs.)	25th (4.6 hrs.)

At this time of the year the recorder at Hope Laboratory is screened from the setting sun by a line of trees and therefore shows a total slightly below the true value. Once again the effect of clouds forming over the Mountains during the morning and drifting over the Liguanea Plain, thus obscuring the sun, is shown in the sunshine totals for Grove Place, Hope and Orange River, when compared with Palisadoes. The afternoons and evening on the Palisadoes Peninsula are much clearer than at places in the mainland.

EVAPORATION

Hope Laboratory	..	..	..	..	3.28 inches
Negril Point Lighthouse	..	..	..	..	5.78 inches

EARTHQUAKES

Date	Time	Intensity	Where felt, etc.
4th	—	Slight	Hematine (St. Catherine)
12th	4.53 p.m. to 5.02 p.m.	Slight	Eleven places in S.E. parishes of St. Thomas, St. Andrew and St. Catherine.

TROPICAL DISTURBANCES

No disturbances formed this month in the W. Atlantic, Caribbean or Gulf Areas.

CITY OF KINGSTON

The afternoon Temperature this month are well above the means of 83.7° F as is also the maximum temperature which compares with the mean of 87.4° F. The night minimum temperature following the same trend the result is an average, on the Maxwell Hall formulae, of 80.7° F, the long term figure for November being 78.3° F. The month was also abnormal for its low rainfall, as indicated above.

Palisadoes reported adjacent rain falling on eight days in addition to its own raindays but in the main these showers were light. Slight thunderstorms occurred in the area on the 24th and 25th, while lightning was noted on seven other nights. Solar haloes were observed on 2nd and 14th, and on the 13th a good example of iridescent was seen in Cirrus clouds.

Skies this month were very clear as far into the day as 2 o'clock, the major cloud formation occurring the late afternoon. The hour 8-9 a.m. was almost cloudless over the Kingston area, although Orange River had its maximum sunshine a little later.

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JAMAICA

WEATHER REPORT

FOR THE MONTH OF
DECEMBER, 1947

MONTHLY CLIMATOLOGICAL MEANS

NOTES:—The Barometric Pressures at the synoptic reporting stations are reduced to the standard of Kew, i.e., 32° F., gravity at Latitude 15° F. and Mean Sea Level.

The thermometers are exposed in shade in louvred Stevenson Screens. Their readings have been corrected for instrumental errors.

Wind measurements are by Robinson type Cup Anemometers except at Palisadoes which mainly uses a Dines Pressure Tube Recording Anemometer.

The amount of cloud is given in tenths of the whole sky. The lower (L) clouds are for the most part Stratocumulus, Cumulus and Cumulonimbus. The remaining clouds are mainly Alto cumulus at middle levels, i.e., 2-3 miles, and cirrus and cirrostratus at upper levels, i.e., 4-6 miles.

Sunshine is recorded by Campbell Stokes Sphere Recorders.

The times of observation given are standard, but non-synoptic stations only making two readings a day do so at 7 a.m. and 3 p.m. Palisadoes averages are for 4 a.m., 10 a.m. and 4 p.m.

STATIONS	Elevation	Barometer Pressure		Mean Temperatures						Extreme Temperatures				Daily Sunshine
				7 a.m.		1 p.m.		7 p.m.		Max.	Min.	Range	Date	
		7 a.m.	1 p.m.	7 a.m.	1 p.m.	7 p.m.	Max.	Min.	Range	Max.	Min.	Range	Date	
	ft.	in.	in.	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	hrs.
Castleton Gardens	496	..	..	65.9	81.1	..	82.7	63.3	19.4	86.5	1	61.5	16	25.0
Grove Place A.C.	..	..	..	65.1	78.3	..	82.0	61.9	20.1	86.1	29	55.1	13	31.0
Hill Gardens	4,900	..	..	58.6	65.7	..	69.3	56.3	13.0	74.0	18	54.2	22	19.8
Hope Laboratory	668	..	..	68.1	84.6	..	87.8	69.5	18.3	92.0	18	62.5	8	29.5
Kingston	..	29.923	29.875	72.4	84.7	..	87.1	70.2	16.9	90.6	8	65.6	12	25.0
Lorrimers	..	..	..	65.3	78.2	..	76.0	62.0	14.0	81.0	6	55.0	12	26.0
Morant Pt. Light H.	8	29.930	29.925	78.2	82.7	79.8	84.5	74.2	10.3	89.0	15	65.0	1	24.0
Negril Pt. Light H.	33	29.922	29.907	73.7	85.9	78.2	87.9	70.0	17.9	92.0	16	64.0	13	28.0
Orange River Exp. St.	450	..	..	69.1	79.2	..	83.3	66.2	17.1	89.0	2	59.1	13	29.9
Palisadoes Airport	19	29.910	29.980	75.7	83.1	83.5	86.2	71.1	12.1	90.0	7	72.0	11	18.0

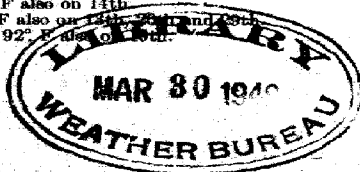
STATIONS	Dewpoint and Relative Humidity						Prevailing Wind						Amount of Cloud Lower (L) and Total (T)					
	7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.		7 a.m.		1 p.m.		7 p.m.	
	°F	%	°F	%	°F	%	Dir.	mph	Dir.	mph	Dir.	mph	L	T	L	T	L	T
Castleton Gardens	64	91	77	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grove Place A.C.	63	95	67	70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	54	85	61	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Laboratory	66	92	71	84	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kingston	67	83	69	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lorrimers	63	95	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Morant Pt. Light H.	74	89	73	73	72	77	E	9	E	10	E	13	1.9	6.3	5.4	6.0	4.8	5.2
Negril Pt. Light H.	69	83	71	62	72	81	E	5	S	5	NE	5	1.7	5.9	4.8	6.4	5.3	5.5
Orange River Ex. St.	67	95	70	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palisadoes Airport	70	81	73	71	72	71	N	5	NW	3	SE	14	0.7	2.8	0.9	5.0	1.4	4.5

*And on other days. Temperatures are read at 3 p.m. at non-synoptic reporting stations, and at 4 a.m., 10 a.m. and 4 p.m. at Palisadoes Airport.

*Palisadoes Max. Temp. 90° F also on 14th.

†Palisadoes Min. Temp. 72° F also on 14th, 26th and 28th.

‡Negril Pt. L/H Max. Temp. 92° F also on 14th.



RAINFALL

Beginning January, 1946, the monthly "Jamaica Weather Reports" list all the stations which send in results from their rain-gauges, the actual figures being omitted only if these figures are not received at the time of going to Press. For convenience the stations are now arranged alphabetically in parishes, beginning in the North-West and traversing the Island in a clockwise direction.

The first four columns contain all the information received, and the last column contains the corresponding averages for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939", where they are available. The number of stations is slowly increasing, and it is hoped to add more especially where gauges are at present scattered thinly.

Rainfall is measured at 7 a.m. and recorded, by convention, as having fallen on the previous day.

STATIONS	December, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
HANOVER	Ins.	Ins.			Ins.
Askenish	9.35	7.50	1	6	2.60
Blenheim	1.44	1.08	3	3	
Blue Hole	3.43	1.00	23	5	2.88
Cascade	6.89	4.38	1	10	
Copse	N.A.				3.72
Cousins Cove	1.74	.65	23	13	2.33
Green Island	2.41	1.03	2	6	2.22
Green River	4.35	2.50	1	6	
Haughton Court A.C.	3.62	1.55	2	17	3.12
Haughton Grove	1.77	1.75	1	6	2.82
Haughton Hall	1.89	.71	2	8	1.30
Hopewell	3.45	1.68	2	6	8.18
Kendal	2.74	1.65	1	4	
Kingsvale	2.94	2.00	1	6	2.64
Knockalva	3.89	1.25	23	6	
Lucea	2.09	1.03	2	5	3.30
Retirement	6.48	4.55	1	7	
Santoy L.S.	2.18	.62	31	4	
Shettlewood	5.04	1.78	1	5	
ST. JAMES					
Adelphi	8.74	3.50	1	10	
Anchovy	4.19	1.88	2	8	2.66
Cambridge	5.27	2.83	2	5	1.95
Catadupa	4.00	1.41	2	7	2.44
Cinnamon Hill	3.94	1.23	3	8	4.33
Cornwall Works	6.14	1.85	2	10	
Friendship	5.74	1.77	2	6	3.30
Irwin A.C.	6.28	1.78	1	6	5.81
Kempshot	6.13	2.36	2	5	4.85
Lapland	3.79	1.27	12	7	
Latum L.S.	5.22	1.72	2	6	7.12
Maldon School	5.17	2.34	2	6	
Mocho	N.A.				2.89
Montego Bay	4.20	1.90	2	8	4.04
Montpelier	5.65	2.33	1	7	1.75
Retirement	6.40	2.30	2	6	3.22
Richmond Hill	5.55	2.55	1	5	
Rose Hall	4.40	1.54	3	9	4.33
Running Gut	5.52	1.75	3	8	4.45
Spring Estate	4.03	1.70	3	7	4.51
Success	3.84	1.28	3	9	3.71
Sweetwater	4.90	1.87	23	6	

N.A. = Not available.

STATIONS	December, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date		
ST. JAMES, <i>contd.</i>	Ins.	Ins.			Ins.
Tryall	4.67	1.10	3	7	3.20
Vaughansfield	3.38	1.23	30	6	
Windsor Lodge L.S.	8.15	3.74	1	11	
TRELAWNY					
Albert Town	5.51	2.10	3	8	3.31
Arcadia	3.20	1.20	3	8	6.32
Clarks Town	2.45	1.44	3	7	4.70
Deeside	N.A.				
Duncans	3.47	.81	23	10	2.85
Falmouth	2.66	1.60	2	6	4.24
Garredu L.S.	N.A.				
Harmony Hall	3.56	.90	1	12	5.55
Hyde and Gibraltar	2.10	1.31	3	8	
Litchfield	4.81	1.87	1	7	
Lorrimers	2.76	1.15	1	9	
Stewart Town	4.08	1.97	23	8	
Troy	3.10	1.00	13	4	2.87
Troy L.S.	3.33	1.70	2	6	
Ulster Spring	4.57	1.96	3	6	3.89
Vale Royal	2.32	1.30	3	6	7.64
Wait-a-bit	5.66	1.63	2	11	
Wakefield	6.16	1.92	2	8	3.62
Warsop	3.71	1.27	1	5	2.94
ST. ANN					
Allion	N.A.				7.78
Alexandria	1.80	.95	3	4	2.98
Armada	1.74	1.03	3	2	
Averham Park	14.33	4.50	3	15	10.26
Bel-Air	4.45	1.25	1	14	6.18
Beverly	3.40	1.10	27	7	
Borobridge	1.70	.58	1	5	
Brown's Town	3.86	1.32	3	10	8.50
Cave Valley	1.78	.84	1	8	2.77
Claremont	7.48	3.15	23	8	7.81
Cuffie Ridge	1.70	0.58	1	5	
Eltham	4.50	1.64	2	7	
Exchange	3.78	1.18	2	5	
Greenock	2.25	.60	20	8	
Home Castle	5.24	2.20	24	5	7.67
Knapdale	6.01	2.00	3	18	10.93
Liberty Hill	3.67	.70	2:27	14	7.27
Moneague	6.95	2.75	3	10	6.90
New Ground A.C.	N.A.				
Ocho Rios	6.79	1.80	1	12	6.41
Richmond Estate	3.72	.97	2	9	7.24
Richmond Pen L.S.	4.47	2.60	3	5	
Rio Hoe	8.21	3.70	3	8	8.28
Rockfield	7.03	1.58	2	16	9.18
Runaway Bay	2.95	.65	23	10	3.49
Rural Retreat	4.91	2.10	3	11	
St. Ann's Bay	5.17	1.50	2	13	7.15
Stepney	0.17	.10	28	3	
Thatchfield L.S.	9.66	2.83	3	16	
Unity Valley	8.16	3.22	1	19	7.10
Watt Town	1.43	1.18	3	2	2.74
Wilton	7.03	1.58	2	16	

STATIONS	December, 1947					STATIONS	December, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
	Ins.	Ins.			Ins.		Ins.			Ins.	
ST. MARY						PORTLAND, contd.					
Agualta Vale	7.99	4.47	2	11	9.26	Plum Valley	13.24	4.37	2	16	
Bundo L.S.	5.80	2.64	2	13		Port Antonio	7.19	2.44	2	22	12.14
Castleton Gardens	8.76	1.40	3	8	13.34	Priestman's River	3.97	1.33	2	11	5.72
Dover A.C.	9.13	3.50	2	17	11.56	Shrewsbury	12.47	2.34	2	15	19.87
Enfield	12.46	3.50	3	14	20.71	Spring Garden	11.22	3.65	2	17	9.79
Fort Stewart	7.99	2.80	2	11		Titchfield School P.A.	N.A.				
Fort Stewart L.S.	16.59	3.12	3	18		Windsor A.C.	13.46	2.70	3	12	
Gibraltar	8.30	3.90	2	11		ST. THOMAS					
Golden Grove East	5.12	2.75	2	12		Barrett's Gap	13.64	6.00	3	9	
Golden Grove West	5.11	2.50	2	12		Bath	6.95	1.76	3	11	8.95
Gray's Inn Cen. Fact.	8.32	4.38	2	13		Bowden Pen	25.09	8.50	3	15	
Guy's Hill	4.72	1.65	3	8	7.78	Cedar Valley	8.30	5.60	3	8	4.36
Hampstead	7.19	2.30	2	13	11.60	Clifton Hill	5.45	1.09	13	18	
Iter Boreale	8.99	4.30	2	15		Coley†	4.64	2.12	3	8	4.47
Jack's River	6.07	2.55	2	13		Duckenfield	3.99	1.50	25	16	
Lady Hole	10.41	4.01	2	14		Easington	2.15	1.27	3	9	2.49
Lower Esher	5.96	1.70	2	7		East Prospect	5.80	.92	13	19	4.75
Lucky Hill	6.55	2.25	2	10	9.94	Golden Grove J.S.E.	7.41	1.25	25	18	
Lucky Hill Pen	5.90	1.82	2	9		Llandewey	2.15	1.27	3	9	
Newry	6.22	3.00	2	14		Lloyds	2.69	1.50	3	5	
Nutfield A.C.	5.95	2.32	3	3		Morant Bay	2.36	.75	14	11	3.81
Oracabessa	5.57	1.72	2	10	6.64	Morant Point Light H.	3.40	1.21	25	13	5.31
Orange River	7.52	2.45	2	17		Plantain Garden River	5.21	1.20	25	19	
Platfield	5.24	1.63	3	9		Pleasant Hill	5.61	1.27	26	12	5.00
Port Maria	5.96	2.70	2	13	6.95	Rowlandsfield L.S.	6.35	2.90	25	13	
Quebec	7.80	2.70	2	10	8.68	Seaforth	3.92	1.85	3	10	
Retreat	5.75	1.40	3	16		Spanishwood	3.58	.40	14	20	
Richmond P.W.D.	5.94	2.36	2	12	9.68	Torre Garda	N.A.				
Warwick Castle L.S.	4.23	2.07	2	9		Wheelerfield	4.96	.90	25	16	
Water Valley	6.54	2.40	2	11	9.50	Yallahs	1.40	.72	3	4	1.66
Western St. Mary	5.14	1.86	2	8		KINGSTON AND ST. ANDREW					
Windsor Castle	5.49	1.55	2	9	10.42	Bamboo Avenue	2.73	2.41	3	5	
PORTLAND						Brandon Hill	N.A.				
Balcarras	22.00	7.38	3	18	32.80	Cavaliers	1.62	1.38	3	6	
Belle Vue	12.42	3.03	2	12		Clifton Pen	1.45	1.14	3	5	1.03
Belvedere	12.41	3.50	2	21	14.51	Constant Spring	3.44	2.40	3	7	
Boston	N.A.					Constant Spring Ch. Rd.	2.42	1.43	3	7	
Boundbrook L.S.	7.12	2.44	2	23		Dallas Castle	3.90	3.29	3	5	2.40
Bruton Hall	16.89	4.00	3	16		Fort George	N.A.				
Buff Bay	9.84	3.65	2	10	11.66	Golden Spring	6.26	2.08	3	8	
Bybrook	13.00	2.95	2	18		Gordon Town	6.39	4.25	4	6	2.89
Caenwood A.C.	10.56	3.50	1	20		Guava Ridge	6.47	4.70	3	3	4.30
Cedar Hurst	19.87	11.02	2	14	11.90	Halfway Tree	1.77	1.75	4	2	1.64
Chepstowe	13.82	4.00	2	17		Harbour Head	1.33	1.33	3	1	
Darley	8.41	1.61	2	20		Hardware Gap P.W.D.	7.69	3.08	3	6	6.92
Fellowship	12.25	1.90	20	17	17.73	Hermitage	5.76	3.75	3	9	3.27
Fruitful Vale	15.37	4.50	3	13		Hill Gardens	18.95	10.75	3	14	9.45
Hope Bay	11.34	4.10	2	18	11.15	Hope Farm Ag. Stn.	3.35	2.70	3	4	2.55
Lennox	9.72	3.80	3	11	15.50	Hope Laboratory	2.70	2.27	3	8	
Manchioneal	6.05	1.05	2	14	7.10	Hope Waterworks	1.52	1.08	3	4	
Mill Bank	27.82	6.96	4	24	26.54	Irish Town	2.85	.90	4	6	3.21
Moore Town	17.63	2.87	2	18	24.15	Iver	5.88	2.63	3	7	
Mt. Holstein	12.16	3.90	4	14	19.11	Kings House Gardens	2.68	2.25	3	5	1.85
Mt. Pleasant	10.46	3.31	2	15		Lawrence Tavern	2.34	1.50	5	5	4.24
Passey Garden	11.45				8.76						

N.A. = Not available.

Note:—Daily readings from selected Stations are published in the Press in the first available issue.

†Average from Johnson's River B.

‡Average from Mavis Bank

STATIONS	December, 1947					STATIONS	December, 1947					
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average	
		Amount	Date					Amount	Date			
	Ins.	Ins.			Ins.		Ins.			Ins.		
KINGSTON AND ST. ANDREW, contd.						CLARENDON, contd.						
Mavis Bank	8.70	5.35	3	5		Bog	0.72	.47	29	2		
Mount Airy	14.07	8.94	3	5		Brixton Hill	4.45	1.50	3	6		
Mount Cressy	9.22	2.95	3	16		Building	0.90	3.7	28	5		
Mount Salus	3.20	2.00	3	4		Bull Head	2.00	0.80	3	5		
Newcastle	8.80	5.40	4	7		Carlisle	1.32	.87	5	3		
Red Hills	2.64	1.32	3	5	1.81	Chapelton	1.99	.64	23	8	2.19	
Rose Hill	4.05	2.04	3	4	4.47	Colonel's Ridge	1.84	.82	3	9		
Seaview F.P.	3.96	2.87	3	8		Cottage	1.11	.50	28	5	1.32	
Shortwood College	2.02	1.50	3	5		Cotton Tree Gully	1.20	.80	2	4		
Stony Hill	4.26	3.27	3	5	3.68	Cott's Hill	1.49	.45	3	6	2.03	
Twickenham Park	1.20	.87	3	5		DaCosta	0.84	.45	5	2		
Up Park Camp	1.91	1.65	3	3		Exeter	0.88	.45	2	5		
KINGSTON						Frankfield	1.40	.84	1	6	1.89	
Kingston P.W.O.	3.04	3.04	3	1	1.21	Gibbons	0.79	.32	29	5		
Palisadoes	0.83	.59	3	5		Glen Muir	1.75	1.25	1	3	1.31	
Parade Gardens	1.42	1.20	3	3		Grimmetts	0.68	.35	2	4		
Plumb Pt. Lighthouse	0.70	.70	3	1	1.24	Hillside	0.43	.40	28	2		
St. George's College	1.65	1.37	3	6		James Hill	0.34	.30	1	2		
Upper Kingston	1.73	1.46	3	7	0.91	Kellits	2.27	.80	3	10		
ST. CATHERINE						Knights	0.34	.34	15	1		
Above Rocks	4.26	1.49	4	8		May Pen	0.92	.40	27	3	1.87	
Bellas Gate	1.98	1.07	29	5	1.22	Milk River	0.65	.17	1	6		
Bog Walk	2.39	1.00	30	4	1.38	Morelands	0.98	.48	28	3		
Brown's Hall	2.19	.90	3	4	3.31	Peckham L.S.	1.19	.33	3	10		
Carew Castle	3.00	.92	3	8	4.59	Pennants	2.39	.71	23	8		
Ewarton	1.84	.49	3	8		Pusey Hall	0.92	.60	5	3		
Ginger Ridge	2.55	.90	4	8		Rock River	2.49	1.05	31	5	1.23	
Glenoffe	3.97	2.00	3	7		Salt Savannah	0.94	.47	5	4		
Grove Farm A.C.	1.50	.83	29	5		Silent Hill	2.28	1.83	1	3		
Guanaboa Vale	0.92	.32	2	3	1.83	Spaldings	2.58	.75	3	8	2.12	
Headworks	0.53	.23	29	3	2.01	Springfield	0.25	.10	4	28	3	1.97
Hematine	1.61	.85	2	6	1.23	Suttons J.G.R.	1.86	1.05	31	3		
Hog Hole	2.08	1.36	2	8	2.08	Suttons W.I.S.C.	0.03	.03	31	1		
Knollis	3.01	1.40	28	5	1.87	Teak Pen L.S.	1.63	.57	2	5		
Linstead	2.39	1.35	28	5	3.09	Thompson Town	2.52	.61	3	10		
Old Harbour	2.83	1.36	2	5	2.21	Trout Hall	N.A.				2.32	
Pear Tree Grove	3.70	1.30	3	11		Tweedside	2.09	.91	22	4		
Point Hill	3.47	1.51	31	7	4.18	MANCHESTER						
Quarantine Station	0.41	.41	3	1	0.75	Alligator Pond	0.29	.29	30	1	1.94	
Rio Magno	3.51	1.30	3	6	6.39	Christiana	2.00	.57	31	9	2.71	
Riversdale	2.83	1.50	3	7	3.48	Chudleigh	0.65	.31	23	6	2.43	
Sligoville*	3.98	1.29	2	11	3.15	Cocoawalk L.S.	0.88	.50	15	4		
Spanish Town	2.28	1.62	2	4		Craig Head	2.51	1.40	2	3		
Troja Police Station	4.75	1.70	2	9	8.19	Garlogie	3.25	.85	1	9		
Troja L.S.	4.55	2.00	3	5		Greenvale	1.77	.85	1	7	1.60	
Tulloch	2.02	.80	29	6		Grove Place	1.77	.76	1	7		
Twickenham Park A.C.	2.45	1.70	2	3		Holmwood	3.17	.63	1	7		
Worthy Park	1.27	.57	29	3		Kendal	1.97	.66	31	6	2.35	
CLARENDON						Mandeville	2.31	.57	1	9	2.81	
Amity Hall	0.84	.37	28	4		Mandeville (Manch. Hot)	1.81	.49	3	7		
Beauchamp	0.15	0.15	4	1		Mile Gully	1.80	1.50	1	2		
Belle Plain	3.37	1.73	1	7	2.09	New Forest	0.00	.00				
						Newport	0.42	.23	15	2	2.78	
						Porus	0.34	.20	31	2		
						Retrieve	3.45	.77	2	10	1.62	
						Stones Hope	1.62	1.25	15:29	9	2.45	
						Williamsfield Rly.	1.82	.76	31	5	2.07	

*Average from Highgate

STATIONS	December, 1947					STATIONS	December, 1947				
	Total Fall	Greatest fall in 24 hours		Rain Days	Average		Total Fall	Greatest fall in 24 hours		Rain Days	Average
		Amount	Date					Amount	Date		
ST. ELIZABETH	ins.	ins.			ins.		ins.				ins.
Aberdeen	1.91	.82	1	7	..	Bethel Town	3.70	1.60	2	4	1.96
Accompong	4.65	1.50	11	8	..	Blue Castle	5.86	1.73	2	9	..
Appleton	2.53	.98	2	7	3.15	Blue Fields	3.94	1.23	31	8	2.56
Balaclava	2.19	1.04	1	6	2.11	Cornwall	4.03	1.41	2	6	..
Bartons	N.A.	..	..	..	..	Darlston	6.12	1.60	1	9	2.89
Black River	1.65	1.10	27	2	2.10	Fontabelle	4.10	1.60	1	9	..
Braes River	1.54	.80	12	2	..	Friendship	5.33	1.35	23	8	..
Bull Savannah	0.39	.23	28	2	..	Frome	4.71	1.58	1	9	..
Fort Charles	..	..	..	0	1.72	Grange Hill	5.90	1.94	1	9	2.83
Ginger Hill	4.64	2.00	2	8	..	Kew Park	4.29	1.76	23	8	2.33
Holland Estate	2.00	1.20	2	5	..	Lamb's River	4.08	1.40	3	8	..
Hounslow	1.00	.40	28	3	..	Little London	5.71	2.59	2	7	2.06
Ipswich	5.52	3.37	2	10	..	Masemure	2.86	1.03	1	6	..
Lacovia	2.45	1.83	2	3	2.08	Meyersfield	3.65	1.50	2	7	..
Maggotty	2.58	1.56	1	5	2.71	Midgham	2.86	1.37	1	6	..
Malvern	N.A.	..	..	..	..	Mint	5.24	2.31	1	10	..
Mt. Charles	1.93	1.07	2	10	..	Mt. Eagle	6.10	2.55	23	17	..
Mulgrave	2.25	1.50	2	6	..	Mt. Edgecombe	2.82	1.66	5	11	2.21
Munro*	0.86	.24	27	9	2.54	Negril Pt. Lighthouse	1.96	.74	1	7	1.91
Myersville	2.36	1.00	28	5	..	New Market	5.90	2.95	2	7	2.29
Pedro Plains	0.17	.12	3	2	1.59	Paul Island	3.58	1.43	2	7	..
Quickstep	1.55	.75	2	5	..	Petersfield	2.57	1.70	23	4	..
Santa Cruz	1.41	1.11	2	3	2.62	Petersville	2.40	1.80	2	3	2.78
Southfield	0.40	.25	29	2	..	Prospect Park	5.42	2.12	1	6	..
Springfield	5.88	1.82	5	6	..	Rat Trap	4.70	1.20	1	5	..
Springvale	N.A.	..	..	..	..	Retreat Estate	4.57	1.64	2	8	2.06
Torrington	0.42	.42	28	1	2.36	Retrieve	3.55	1.50	2	6	1.91
Treasure Beach	N.A.	..	..	..	..	Sav.-la-Mar	3.09	1.67	2	5	..
Williamsfield	1.48	0.78	4	5	..	Sheffield	7.39	2.34	2	14	..
Windsor	1.65	0.56	28	11	2.10	Shrewsbury	6.10	2.55	23	7	..
Yardley Chase	0.00	.00	..	..	..	The Bog	5.39	2.81	2	6	2.82
WESTMORELAND						Water Works Farm	5.78	2.00	2	7	2.47
Barham	4.44	1.72	1	5	..	Whithorn	5.70	2.40	23	6	2.52
Baulk	4.79	1.90	1	6	..	Williamsfield	4.28	1.40	1	4	..
Belle Isle	4.86	3.09	1	7	..	Welch Pole	4.90	1.40	3	8	..

Average from Potsdam N.A.—Not available.

THE ISLAND RAINFALL

As outlined in the January 1946 issue of the Jamaica Monthly Weather Report the mean rainfall for each parish and for the Island is now calculated on a different method from that used prior to 1945. Rain gauges have been selected throughout the Island to give as evenly spaced a distribution as possible. The rainfall figures from these "key" stations have not themselves been accepted as representative of the surrounding area for the reason that the rain in Jamaica falls practically entirely from shower cloud (cumulus and cumulonimbus) and is rather capricious in its effect on the ground. Every one is familiar with the phenomenon, so often repeated, of heavy rain falling a few hundred yards away while untouched oneself by the shower. The method used to obtain a more accurate figure for the area immediately surrounding each "key" station is to find the average from all the rain gauges in this area, sometimes many but on the other hand unfortunately sometimes only one or two. The result will be called an "adjusted" rainfall.

The Parish mean rainfalls are obtained from the adjusted figures from key stations by simple averaging.

The rainfall for the whole Island is not calculated from the Parish figures since the Parishes are of different sizes. It is obtained direct from the adjusted figures for all key gauges.

The following table shows the rainfall for parishes and Island, compared with the long term averages, and also give the mean number of rain days on which measurable rain fell. The total rainfall for the twelve months of 1947 is also compared with the average.

COMPARATIVE TABLE OF RAINFALL MEANS—DECEMBER, 1947

Parish	RAINFALL FOR DECEMBER			RAINFALL, JAN.-DEC.	
	Actual Inches	20-Year Average Inches†	Raindays No.	Actual Inches	Average Inches†
Hanover	4.08	2.62	6.5	75.17	81.19
St. James	5.27	2.99	6.9	66.55	65.01
Trelawny	3.56	3.86	7.5	54.15	65.15
St. Ann	4.81	6.08	9.4	45.96	64.54
St. Mary	6.86	9.44	11.0	46.34	84.27
Portland	12.12	15.71	16.1	96.54	145.40
St. Thomas	6.34	5.09	11.7	70.35	83.69
Kingston and St. Andrew	4.84	3.60	5.9	51.23	69.10
*Kingston	1.56	.98	3.8	26.97	31.86
St. Catherine	2.31	3.48	5.6	47.94	64.87
Clarendon	1.55	1.88	5.6	48.05	64.50
Manchester	1.63	2.14	5.3	54.54	73.02
St. Elizabeth	1.88	2.13	4.7	68.60	69.91
Westmoreland	4.38	2.38	7.1	81.13	88.42
The Island	4.56	4.46 "70-Year"† 5.31	7.9 "45-Year" 8.8	59.54	75.07 "70-Year" 77.12

Notes:—*The Monthly figures given above for Kingston are the average over an area within approximately 2 miles radius from the Public Works Offices, and include the City of Kingston, the main part of the harbour, and the Airport.

†The figures given for the average rainfall over the Island are taken from two sources—(a) the Parish averages computed over a period of 20 years from 1925 to 1944, the Island means being calculated as the average of the Parish means; and (b) the Divisional averages taken from "The Rainfall of Jamaica to 1939—70 year Period", the Island means now being calculated as the average of the four "Divisions" into which Jamaica was then divided. Neither of the figures are very accurate since no attempt was made to allow for relative areas represented by individual means, but they are considered sufficiently so for practical comparison purposes.

THE DECEMBER RAINFALL

Once again the month failed to alleviate the general lack of rainfall except in the three western Parishes of St. James, Hanover and Westmoreland which had 176, 156, 183% of their average fall. The two S.E. Parishes of St. Thomas and Kingston and St. Andrew were the only others with rainfall higher than average, giving an interesting contrast between the latter with 34% excess and its neighbouring St. Catherine with 33% deficit.

Portland, as is to be expected in December was by far the wettest Parish followed by St. Mary, and St. Thomas. Millbank, Portland had the highest monthly total with 27.83 inches followed closely by Bowden Pen with 25.09 inches. Twenty eight stations reported a monthly total of over ten inches of rain.

The highest daily rainfall was recorded at Cedar Hurst in Portland with 11.02 inches on December 2nd, closely followed by Hill Gardens (St. Andrew) with 10.75 inches on 3rd; ten stations reported daily falls over 5 inches. Suttons, J.G.R., in Clarendon, and Yardley Chase in St. Elizabeth were the only stations with no measurable fall of rain during the whole month.

A statement of the year's rainfall is appended to this report.

The outstanding feature was the drought in St. Mary which only received slightly more than half its annual average whilst Portland only received two-thirds. The whole Island except St. James was deficient, but the Eastern and Central Parishes were by far the worst sufferers.

SUNSHINE

The following table shows the duration of sunshine at the four stations where Campbell-Stokes recorders are in operation. The figures for each hourly period are the averages over the month.

Period	Grove Place	Hope Lab.	Orange River	Palisadoes
6-7 a.m.	.01	.00	.02	.12
7-8 "	.69	.39	.51	.65
8-9 "	.82	.72	.62	.82
9-10 "	.84	.68	.69	.77
10-11 "	.78	.74	.73	.78
11-12 noon	.58	.73	.75	.82
12-1 p.m.	.33	.75	.75	.87
1-2 "	.20	.76	.73	.85
2-3 "	.13	.70	.62	.80
3-4 "	.14	.54	.67	.80
4-5 "	.14	.03	.39	.62
5-6 "	.03	.00	.00	.13
Total	4.69	6.04	6.48	8.03
Percentage	42%	55%	58%	72%

No. of days over 10 hours

	0	0	1	7
Cloudiest day	30th	3rd	3rd	26th
	(0.5 hrs.)	(0.0 hrs.)	(0.3 hrs.)	(0.9 hrs.)

As in previous months Palisadoes received approximately two hours more sunshine each day than Hope Gardens, due to the clouds forming over the mountains during the morning and drifting over N. Kingston and St. Andrew in the afternoon. Furthermore the recorder at Hope is screened from the setting sun by a line of trees and shows a total slightly below its true value.

EVAPORATION

Hope Laboratory	..	..	..	3.37 inches
Negril Point Lighthouse	..	..	..	5.69 "

EARTHQUAKES

No earth tremors were reported this month.

CITY OF KINGSTON

The morning and afternoon temperatures were approximately 2° F above the average for December whilst the mean maximum and mean minimum temperatures were half a degree above normal. The mean daily temperature by the Maxwell Hall formula was 77.9° F. Rainfall was adequate for the month, and although higher than average, it failed to bring the year's total fall up to normal. Only one thunderstorm was experienced at Palisadoes.

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Meteorological Office,
Palisadoes,
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The following amendments or additions may be made to previous issues of the Weather Report:—

Rainfall Reports

SPRING GARDEN (PORTLAND)					FORT GEORGE (KINGSTON AND ST. ANDREW)				
Sept. 1947	..	2.58	.83	3 9	Sept. 1947	..	14.90	2.07	18 23
					Oct. "	..	5.32	2.10	24 14
					*Nov. "	..	3.77	1.02	7 10

NOTE:—*Taken from "Grey Wethers" Stony Hill (By Courtesy of Mr. A. C. SAWARD)

SUMMARY OF MONTHLY PARISH RAINFALL AND RAINDAYS, 1947

Parish	RAINFALL												RAINDAYS													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Haver	2.97	2.55	2.37	4.69	10.93	7.39	10.15	6.51	14.52	6.50	2.51	4.08	75.17	6.8	7.8	6.4	9.2	16.5	13.7	17.3	13.1	18.8	12.4	5.0	6.5	134.4
St. James	2.75	3.85	2.54	2.77	8.15	5.24	6.04	5.05	13.03	9.49	2.37	5.27	66.55	5.8	9.2	6.6	6.6	12.7	10.0	11.5	12.8	18.9	14.0	4.9	6.9	119.9
Trelawny	1.73	4.65	2.06	2.64	9.51	1.11	2.84	6.53	9.77	8.28	2.01	3.56	54.15	6.6	9.5	5.1	4.2	12.4	4.9	7.8	12.1	14.7	12.7	4.4	7.5	101.9
St. Ann	2.79	4.63	2.35	1.10	4.54	3.07	4.47	3.57	5.76	7.65	1.22	4.81	45.96	9.7	9.5	5.9	4.3	9.1	6.4	9.8	7.4	10.7	11.7	4.1	9.4	98.0
St. Mary	4.53	4.29	3.24	1.25	3.35	2.97	5.17	2.32	6.68	5.06	0.62	6.86	46.34	11.5	9.4	7.2	4.4	6.5	6.4	8.9	5.5	11.0	10.8	3.2	11.0	95.8
Portland	11.56	8.21	5.22	3.01	6.31	4.32	15.28	10.40	6.09	11.03	2.99	12.12	96.54	16.9	11.6	8.8	9.3	10.7	8.1	15.5	10.7	10.1	13.1	7.2	16.1	138.1
St. Thomas	5.53	6.43	2.40	1.88	3.83	2.84	9.62	8.77	11.76	7.91	3.04	6.34	70.35	10.9	10.9	7.8	7.5	10.0	8.9	11.3	11.1	13.7	12.9	5.3	11.7	122.0
Kington and St. Andrew	1.93	5.11	1.45	1.14	4.90	.74	4.40	5.97	12.67	6.55	1.53	4.84	51.23	7.4	9.4	4.7	4.3	11.4	3.5	8.7	9.9	15.9	12.0	5.4	5.9	98.5
Kington	.26	2.63	.13	.82	1.32	.28	3.47	4.22	8.98	2.29	1.01	1.56	26.97	2.4	8.0	2.2	2.7	6.7	2.3	5.3	7.4	11.8	6.8	2.5	3.8	61.9
St. Catherine	2.39	2.90	1.83	1.70	4.17	1.67	4.78	6.28	11.86	5.36	1.69	2.31	47.94	6.1	7.6	5.1	4.7	8.9	5.0	8.7	10.6	14.1	9.9	3.8	5.6	90.1
Clarendon	1.58	2.96	1.35	1.09	4.28	1.68	5.63	6.99	11.30	8.07	2.67	1.55	48.05	4.8	8.3	4.7	4.5	9.4	5.4	8.8	9.9	13.3	12.9	5.3	5.6	92.9
Manchester	1.63	3.52	1.10	3.22	7.23	1.65	4.24	5.56	11.39	10.50	2.87	1.63	54.54	5.2	7.3	3.6	5.2	9.5	4.5	7.9	9.8	11.6	14.9	5.1	5.3	89.9
St. Elizabeth	3.37	3.74	1.89	5.33	13.48	1.54	3.93	9.04	12.55	8.71	3.14	1.88	68.60	7.4	8.4	4.9	9.5	16.5	3.9	7.6	13.6	13.4	14.7	6.7	4.7	111.3
Westmoreland	4.39	2.20	3.08	7.04	15.52	5.05	7.02	8.33	15.41	6.49	2.19	4.38	81.13	9.7	6.1	8.8	11.2	18.8	11.4	13.5	15.7	18.0	11.7	5.8	7.1	137.8
The Island	3.62	4.23	2.38	2.80	7.31	3.10	6.47	6.58	10.90	7.99	2.17	4.56	62.11	8.5	8.9	6.2	6.6	11.7	7.1	10.6	10.9	14.2	12.7	5.2	7.9	110.5
Mean 20-Year	3.34	3.13	3.10	5.46	8.43	6.58	5.30	7.56	7.61	11.33	8.78	4.46	75.07	..	..	..	..	..	..	..	..	..	..	..	..	..
Mean 70-Year	4.00	3.21	3.33	5.11	8.89	6.91	5.22	7.14	7.80	10.89	9.31	5.31	77.12	8.2	7.1	7.5	8.7	12.0	10.5	9.5	11.5	12.6	14.5	11.9	8.8	122.8